## **Parts Manual for**



# 18 & 21" V-SERIES CAST DECK **WALK BEHIND MOWERS**

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NOTE: The Series number is the last numeral in the model number.

IT IS THE POLICY OF SNAPPER POWER EQUIPMENT TO IMPROVE ITS PRODUCTS WHENEVER IT IS POSSIBLE AND PRACTICAL TO DO SO. WE RESERVE THE RIGHT TO MAKE CHANGES OR ADD IMPROVEMENTS AT ANY TIME WITHOUT INCURRING ANY OBLIGATION TO MAKE SUCH CHANGES ON PRODUCTS MANUFACTURED PREVIOUSLY.

SNAPPER POWER EQUIPMENT McDonough,GA • 30253



# Operator's Manual

### THANK YOU FOR BUYING A SNAPPER PRODUCT!

We have designed and built this machine with utmost care, and it is intended to give you long and satisfactory service.

Any mechanical device can be potentially dangerous if not used properly. No accident prevention program can be successful without the wholehearted cooperation of the person who is directly responsible for the operation of the equipment. Study this operator's manual to learn the operation of the controls and observe all safety precautions. Only use this machine for the purpose it is intended. By following these instructions and safety precautions you should enjoy the long and trouble free operation you expect.

# Snapper Mower

MODELS V180 - V1805 - SV180 V210 - V2105 - V2104 - SV210

### SNAPPER MOWER GUARANTEE

All Snapper Mawers are guaranteed far narmal use to the original purchaser against defective workmanship and material. This guarantee extends far one year from purchase date an mowers not used commercially, and far one month an mowers that are used commercially.

We will replace ar repair without charge any part ar parts returned to us during the guarantee period, with transpartation charges prepaid, that our inspection shows to have been defective in warkmanship or material when shipped from the factory.

This guarantee is vaid if the parts in questian have been altered ar damaged by accident, abuse, neglect, impraper adjustment, lack of lubrication ar normal wear. This guarantee does not caver engines, tires, tubes, batteries and belts which are guaranteed separately by their manufacturers.

Na other guarantee, expressed or implied, is made by the Campany which retains the right to change specifications without natice or abligation.

WARNING: Use af replacement parts ather than genuine Snapper parts may impair the safety of your mower and may vaid our warranty.

IMPORTANT: This guarantee is vaid unless the guarantee card attached is filled aut completely and mailed to the Factory within 19 days of the date mower was purchased.

IT IS THE POLICY OF McDONOUGH POWER EQUIPMENT, INC. TO IMPROVE ITS PRODUCTS WHENEVER IT IS POSSIBLE AND PRACTICAL TO DO SO. WE RESERVE THE RIGHT TO MAKE CHANGES OR ADD IMPROVEMENTS AT ANY TIME WITHOUT INCURRING ANY OBLIGATION TO MAKE SUCH CHANGES ON PRODUCTS MANUFACTURED PREVIOUSLY.

McDONOUGH POWER EQUIPMENT, INC.

TEME FUGULÀ

McDONOUGH, GA., U. S. A., 30253

# Assembly, Operation and Service Instructions for

### V180 - V180S - SV180 - V210 - V210S - V2104 - SV210

# **SNAPPER MOWER**

### IMPORTANT

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#### TRAINING

- Read the Operating and Service Instruction Manual carefully.
   Be thoroughly familiar with the controls and proper use of the equipment.
- 2. Never ollow children ta operate a power mower.
- Keep the oreo of operation clear of all persons, particularly smoll children, and pets.

#### PREPARATION

- Thoroughly inspect the area where the equipment is to be used ond remove oil stones, sticks, wire, bones and other foreign objects.
- Do not operate equipment when borefact ar wearing open sandols. Always wear substantial footwear.
- Check fuel before storting engine. Do not fill gasoline tonk indoors, when engine is running, or while engine is still hat. Wipe off any spilled gasoline before storting engine.
- Never attempt to make a wheel height adjustment while the engine (motor) is running.
- 5. Mow only in daylight or in good ortificial light.
- 7. Never operate equipment in wet grass. Always be sure of your footing; keep a firm hold on the hondle and wolk; never run.

### **OPERATION**

- 1. Do not change engine governor settings or overspeed engine.
- 2. Da not put hands or feet near or under rotating ports. Keep clear of discharge at all times.
- 3. Stop blode (s) when crossing gravel drive, wolks or roads.
- After striking o foreign object, stap the engine (motor), remove wire from spark plug, thoroughly inspect the mower for any domage, and repair the damage before restarting and operating the mower.

- if the equipment should start to vibrate abnormally, stop the engine (motor) and check immediately for the couse. Vibration is generally a warning of trouble.
- Stop engine (motor) whenever you leave the equipment, before cleaning mower housing, and when making any repairs or inspectio.sn
- When cleaning, repairing or inspecting, make certain blade and oll moving parts have stopped. Disconnect spark plug wire and keep wire away from plug to prevent accidental starting.
- 8. Do not run engine indoors.
- Shut engine (motor) off and wait until blade comes to a complete stop before removing grass catcher and/or unclogging chute.
- Mow across the face of slopes, never up-and-down. Exercise caution when chonging direction on slopes. Do not mow excessively steep slopes.
- 11. NEVER operate mower without proper guards, plates or other sofety protective devices in place.
- Keep woshout ports and other mower housing service openings closed when mowing.

#### MAINTENANCE AND STORAGE

- Check blode and engine mounting bolts of frequent Intervols for proper tightness.
- Keep all nuts, bolts, and screws tight to be sure equipment is in safe working condition.
- Never store equipment with gasoline in the tonk Inside of o building where fumes may reach an open flame or spark. Allow engine to cool before storing in any enclosure.
- To reduce fire hozord keep engine free of grass, leaves or excessive grease.
- Check grass catcher bags frequently for wear or deteriorotion. Replace with new bags for safety protection.

### **INSTALLATION OF HANDLES:**

1. Pull up and back on 3-7331 lawer handle pivoting until it is in place. Tighten the two 5-0615 wing nuts. Fasten upper handle to lower handle pivoting using twa ¼-28 x 1½ curved head balts, two ¼ internal taoth lack washers and twa ¼-28 hex nuts. Fasten the thrattle contral ta the upper handle using ane ¼-28 x 1¾ HHCS, one ¼ internal taoth lack washer and ane ¼-28 hex nut. Clip canduit ta the handle using twa slip-on clips. Handle height can be adjusted at the slats in the rear wheel brackets.

### INSTALLATION OF GRASS CATCHER:

- 1. Discannect spark plug wire.
- Place frant bag support (rall bar) with aff-set side an right hand side into slats in rear wheel brackets. Tap part will lay dawn close to engine. Raise up allowing ends to drap through slats into hales below.
- Place plastic bag chute anta deck with stud nearest "CAUTION" passing through hole in chute.
   Make sure captive carriage balts drap into slots in the bracket next ta the right front wheel. Place

Place half ring clamp with slatted end to rear aver the frant stud. Secure with 5/16 washer and 5/16-18 lack nut.

Place 5/16-18 x 1 carriage balt through hale in deck which is located at rear of discharge opening, and through hale in plastic chute. Secure with a 3-1801 clip, 5/16 washer and ane 5/16 lock nut. NOTE: Head af carriage balt must be to inside af deck.

4. Slip the ends of the 3-1127 frant wire through the frant flap of the bag and haak over the rall bar as shown in figure 4. Slip the ends of the 3-1128 rear wire in the rear flap and haak over the tap section of the lower handle pivating. If tap of bag is not tout, remove and shift frant and rear wires to inboard flaps and replace.

Naw slip inlet neck of bag aver bag chute as far as passible. Do not allaw side of bag ta black discharge apenning af chute. Stop engine and empty bag af grass clippings at rear apening befare bag is aver filled ar bag chute will become clagged. NEVER ATTEMPT TO CLEAR BAG CHUTE IF CLOGGED UNLESS ENGINE IS STOPPED AND THE SPARK PLUG WIRE IS DISCONNECTED.

#### INSTALLATION OF SIDE CHUTE:

- 1. Discannect spark plug wire.
- 2. Remave grass catcher in reverse sequence of step 4, (Previous Page).
- Attach 3-9572 side chute extensian ta side chute using faur 10/32 hex nuts, faur 10/32 x 5/16 RHMS
  and faur No. 10 internal taath lack washers. NOTE: Head af balts must be ta inside af chute. See
  illustration.
- 4. Grip metal side chute with bath hands and slip large slatted hole aver maunting key on the deck, Slightly squeeze together and slip captive carriage balt into slot in bracket at right frant wheel while halding the slatted hale on the deck key.
- 5. Use one of the half clamps to hald the top dawn at the front stud. Use the other half round clamp to go aver the rear stud and into the small slot in the side chute. Fasten with three 5/16 flat washers and three 5/16-18 hex lack nuts.

### REFER TO PICTURES BELOW FOR PROPER INSTALLATION OF GRASS BAG AND SIDE CHUTE



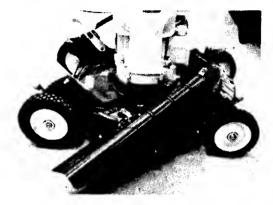


FIGURE 1

FIGURE 2

### ENGINE CARE AND OPERATION:

- 1. FILL ENGINE WITH OIL BEFORE CRANKING MOWER.
- Refer to engine manual furnished with this packet for instructions to ail, fuel and maintain the engine properly.
- 3. WASH OUT CLEANER ELEMENT IN MINERAL SPIRITS OR GASOLINE AND RE-OIL WITH ONE TABLESPOON OF ENGINE OIL EVERY THREE HOURS OF USE OR AFTER EACH THIRD MOWING.
- 4. NEVER PLACE MOWER ON ITS LEFT HAND SIDE WITH SPARK PLUG POINTED DOWNWARD AS THIS WILL ALLOW THE ENGINE OIL TO RUN OUT THROUGH THE VALVE TAPPET VENT. If left taa long, oil could also leak past the piston into the cylinder.

### LUBRICATION:

- 1. Change ail as specified in the engine manual.
- 2. Occasionally put a few draps of ail on all movable parts.
- 3. The ball bearing wheels have been factory greased and should not be greased unless removed.

### **ADJUSTING CUTTING HEIGHT:**

- 1. This mawer has salid through axles front and rear to give superior strength and wheel alignment. Thus with the through axle design, it is necessary to walk the height latches one notch at a time, side to side when it is desired to change the cutting height. NEVER UNLATCH BOTH SIDES AT THE SAME TIME.
- 2. When changing cutting height, make sure that all latches are in matching slots. This results in the cutting blade being slightly higher in the rear ta eliminate drag.

### OPERATING TIPS

- 1. SNAPPER V180 and V210 will cut either forward ar backward. Hawever, due to the set of the blade, slightly less power is required far farward cutting than far reverse cutting.
- 2. Ta turn at the end af a raw, push dawn an the handle bar to raise the frant wheels aff the lawn. This permits turning on the back wheels anly and saves scuffing the lawn.
- 3. Far cutting an a slape, it is usually best to move back and forth not up and dawn hill.
- 4. When vacuuming a paved walk or driveway, first lawer deck to lawest position. It is then best to run V180 or V210 forward along the extreme left hand side of the area to be cleaned. This will pick up same litter and windraw same litter to the right of the first swoth. Then pull V180 or V210 backward over the windrowed litter. It will pick up most of it on this pass. Repeat above until walkway or driveway is cleaned.
- 5. Ta prolong the life and usefulness af your mawer, it is a goad practice to wash aut all the grass that may be sticking to the underside of the deck.

	Part No.	Description	Qty.		Item	Port No.	Description	Qty.
	3-1128	Rear Wire	1		29.	9-0379	8-18 x 3/4 SMS	1
	1-2085 3-1127	Gross Bog	1		30.	9-0385	Tab Washer	1
	5-0293	Front Wire Bag Chute Assembly, \	/210 I		31.	1-2048	Insulator	1
	5-0679	Bag Chute Assembly, \			32. 33.	1- <b>2</b> 049 9-0187	Ground Cantact 5/16 Lock Washer	1
	5-0346	Bag Chute Assembly, \			34.	2-1737	Wheel Arm Spacer, V180	2
	5-0609	Bog Chute Assembly, \			35.	3-7277	Rear Bracket, L. H.	ī
	9-0196	5/16-18 Hex Nut	4		36.	1-1078	Shoulder Screw	4
	3-1124	Side Bracket	1		37.	1-0921	Height Latch, V210	4
	9-0361 5-0680	5/16-18 x 5/8 SEMS Side Chute Assembly, \	7210 Carles 1		37.	1-0921	Height Latch, Front, V180	2
	5-0600	Side Chute Assembly,			38. 39.	1-1093 9-0242	Grip 5/16-24 x 1-5/8 Cap Screw, GR. 5	4
	5-0610	Side Chute Assembly,			40.	9-0188	5/16 SAE Washer	7
	1-1079	Spring Washer	4		41.	9-0324	3/8-16 x 1 St. Screw	2
	9-0388	5/16-18 Dot "T" Nut	2		42.	5-9517	Deck Assembly, V210	ī
	1-1791	Solt Retainer	4		42.	5-9520	Deck Assembly, V180	1
	9-0377	7/16-20 Jom "L" Nut	4		43.	3-7275	Rear Bracket, R. H.	1
	3-1121 1-1083	Hub Cap	w 1.60		44.	9-0227	5/16-24 x 5/8 HHCS	2
	1-1083	Front Wheels, V210, 7 Front Wheels, V180, 7			45.	3-7305	Roll Bar, V210	1
	3-1017	Wheel Arm, Front R. H.,			45. 46.	1-8074 1-1082	Roll Bar, V180 Rear Wheels, V210 — 8 x 1.75	2
	6-0131	Shock Clutch Kit	1		46.	1-1083	Rear Wheels, V180 — 7 x 1.50	2
	1-0008	Key	i		47.	9-0189	5/16 IntExt. Taath Lack Washer	2
	2-1018	Shack Clutch	1		48.	1-0974	5/16-24 Weld Nut	2
	3-1122	Clutch Wosher	1		49.	9-0211	5/16-18 x 1-1/2 HHCS (V180)	2
	1-1102	Fiber Wosher	1		50.	3-7333	Lower Handle Stationary, V210	2
	9-0167	3/8-24 x 2 Cop Screw,	Grade 5		50.	3-7332	Lawer Handle Stationary, V180	2
	1-2063 1-1796	Cone Washer Fiber Washer	1		51.	9-0095	1/4-28 Hex Nut	3
	1-8065	Cutter Blode, V210	1		52. 53.	3-7331 1-0098	Lower Handle Pivoting	1
	1-8075	Cutter Blade, V180	i		53. 54.	1-0098	Clip, Thrattle Cantrol 1/4-28 x 1½ Curved Head Solt	2 2
:	3-7300	Front Brocket	2		55.	1-8088	Throttle Control	í
	1-1749	Front and Rear Axle, V			56.	5-0601	Upper Handle	i
	2-1119	Front and Rear Axle, V			57.	1-1103	Spacer	2
	3-1123 3-1016	Clomp Wheel Arm, Front L. H.,	Reor R. H. 2		58.	9-0053	1/4 Internal Tooth Lock Washer	3
	3-1842	Bracket	1		59.	1-1125	8earing .	8
		J. 444.51	· ·		60.	5.0678	Interlock Assembly	1
		· /	<b>→</b> 7		61. 62.	5-0615 1-1780	Wing Nut Nylon Ring	2 2
			- 1/4		63.	9-0015	1/4-20 x 1 % Carriage Balt	2
	1		7 140		64.	3-9572	Side Chute Extension	î
	_ 6	((	7 111		65.	9-0013	No. 10 Fine Hex Nut	4
			a a		J. G	CT CT	67. 9-0007 10-32 x 5/16 RH/ 68. 3-1801 Clip 69. 9-0383 5/16-18 x 1 Corr 70. 3-1762 Guard, V180 Se 70. 3-1763 Guard, V210 Se 71. 9-0041 1/8 x 1 Cotter F 72. 1-2076 Rear Height	Bolt 1 ries 1 ries 1 Pin 2
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MANUAL #06051

# Operator's Manual

### THANK YOU FOR BUYING A SNAPPER PRODUCT!

We have designed and built this machine with utmost care, and it is intended to give you long and satisfactory service.

Any mechanical device can be potentially dangerous if not used properly. No accident prevention program can be successful without the wholehearted cooperation of the person who is directly responsible for the operation of the equipment. Study this operator's manual to learn the operation of the controls and observe all safety precautions. Only use this machine for the purpose it is intended. By following these instructions and safety precautions you should enjoy the long and trouble free operation you expect.

# Snapper Mower

Models V210P - V210PS - V210P4

### SNAPPER MOWER GUARANTEE

All Snopper Mowers are guaranteed for narmal use to the ariginal purchaser against defective warkmanship and material. This guarantee extends for one year from purchase date on mawers nat used commercially, and for one month on mowers that are used commercially.

We will replace or repair without charge ony part or parts returned to us during the guarantee period, with transportation charges prepaid, that our inspection shows to have been defective in warkmonship or material when shipped from the factory.

This guarantee is void if the parts in questian have been altered or damaged by occident, obuse, neglect, impraper adjustment, lock of lubrication or normal wear. This guarantee does not cover engines, tires, tubes, batteries and belts which ore guaranteed separately by their manufacturers.

No other guorontee, expressed or implied, is mode by the Compony which retains the right to change specifications without notice or obligation.

WARNING: Use of replocement ports ather than genuine Snapper parts may impoir the safety of your mawer and may void our worronty.

IMPORTANT: This guarantee is void unless the guarantee card attached is filled out completely and mailed to the Factory within 10 days of the date mower was purchased.

IT IS THE POLICY OF McDONOUGH POWER EQUIPMENT, INC. TO IMPROVE ITS PRODUCTS WHENEVER IT IS POSSIBLE AND PRACTICAL TO DO SO. WE RESERVE THE RIGHT TO MAKE CHANGES OR ADD IMPROVEMENTS AT ANY TIME WITHOUT INCURRING ANY OBLIGATION TO MAKE SUCH CHANGES ON PRODUCTS MANUFACTURED PREVIOUSLY.

McDONOUGH POWER EQUIPMENT, INC.

TEL FUGUA

McDONOUGH, GA., U. S. A., 30253

# Assembly, Operation and Service Instructions for V210P - V210PS - V210P4 SNAPPER MOWER

### IMPORTANT

#### TRAINING

- 1. Read the Operating and Service Instruction Manual carefully. Be tharaughly familiar with the cantrals and proper use of the
- 2. Never allaw children ta aperate a pawer mawer.
- 3. Keep the area of aperation clear of all persons, particularly small children, and pets.

#### PREPARATION

- 1. Tharaughly inspect the area where the equipment is to be used and remave all stanes, sticks, wire, banes and other fareign abjects.
- 2. Da nat aperate equipment when barefaat ar wearing apen sandals. Always wear substantial faatween
- 3. Check fuel befare starting engine. Da nat fill gosaline tank Indaars, when engine is running, ar while engine is still hot. Wipe aff any spilled gasaline befare starting engine.
- 4. Never attempt to make a wheel height adjustment while the engine (matar) is running.
- 5. Maw anly in daylight ar in good artificial light.
- 7. Never aperate equipment in wet grass. Always be sure af your faating; keep a firm hald an the handle and walk; never run.

#### **OPERATION**

- 1. Da nat change engine gavernar settings ar averspeed engine.
- 2. Da nat put hands ar feet near ar under ratating parts. Keep clear of discharge at all times.
- 3. Stap blade (s) when crassing gravel drive, walks ar raads.
- 4. After striking a fareign abject, stap the engine (matar), remove wire fram spark plug, tharoughly inspect the mawer for any damage, and repair the damage before restarting and aperating the mawer.

#### INSTALLATION OF HANDLES.

- 1. Place lawer handle, Item No. 14, Page 4, In graave of lawer handle statianary, Item Na. 30. Secure with twa 1/4-28 x x1-1/2 hax head cap screws, Item Na. 16, twa 1/4 internal taath lack washers, Item Na. 17, and two 1/4-28 hex nuts, Item Na. 15.
- 2. Fasten upper handle, Item Na. 18, ta lawer handle, Item Na. 14, using twa 1/4-28 x 1-1/2 hex head cap screws, Item No. 16, twa 1/4 internal taath lack washers, Item Na. 17, and twa 1/4-28 hex nuts, Item Na. 15.
- 3. Install upper speed lever, Item Na. 27, through hole in speed sectar, which is welded to the upper handle, and into sleeve, Item
- 4. Fasten thrattle cantral, Item Na. 25, ta autside of upper handle, using ane 1/4-28 x 2 hex head cap screw, Item Na. 91, ane 1/4 internal taath lack washer, Item Na. 17, and ane 1/4-18 hex nut, Item Na. 15. Install thrattle cantral clips, Item Na. 28.
- 5. Fasten upper pull rad, Item Na. 102, ta clutch lever, Item No. 21, by placing end with bend up through hale in clutch lever. Laasen hex head screw, Item No. 93. Slide lawer pull rad, Item No. 26, down, push dawn on haak spring, Item No. 29, and fosten end of hook spring inta slat in bell crank, Item Na. 58, Page 3.

### ADJUSTMENT OF SPEED LEVER:

Set speed lever, Item Na. 27, in highest speed on speed selector. Move driven disc assembly, Item Na. 38, Page 3, to left af machine until clutch rod, Item No. 35, hits left rear wheel bracket. Included in hardware bag is a red guage. Lift up an lower speed lever, Item Na. 101, until guage will fit between sleeve, Item Na. 97, and anchor lever, Item Na. 33. Tighten the twa upper set screws, Item No. 96, Page 4.

### ADJUSTMENT OF PULL ROD:

Set speed lever, Item No. 27, in low speed. Ploce guage at edge af depressian in drive risc assembly, tem Na. 50. Pull up an lawer pull rad, Item Na. 26 until rubber tire makes cantact with guage. Tighten the hex nut an the carriage balt, Item No. 93, Page 4. Install clip an pull rad and fasten to upper handle between the clutch lever and speed selectar. In the event the guage is last, place two nickels tagether and use as a guage.

#### INSTALLATION OF GRASS CATCHER-

- 1. Disconnect spark plug.
- 2. Place front bag support, rall bar, Item Na. 10, with aff-set an right hand side into slats in rear wheel brackets, Item Nos. 20 and 48. Top part will lay dawn clase to engine. Raise up, allowing ends to

- 5. If the equipment should start to vibrote obnormally, stap the engine (motor) and check immediately far the couse. Vibrotion is generally a warning af trauble.
- 6. Stop engine (matar) whenever you leave the equipment, befare cleaning mawer hausing, and when moking ony repairs ar
- 7. When cleaning, repairing ar Inspecting, make certain blade and all moving ports have stapped. Discannect spark plug wire and keep wire away fram plug ta prevent accidental starting.
- Da nat run engine Indaars.
- 9. Shut engine (matar) off and wait until blade cames to a camplete stap befare remaving grass catcher and/ar unclogging
- 10. Maw acrass the face of slapes, never up-and-dawn, Exercise cautian when changing direction an slapes. Do not mow excessively steep slapes.
- 11. NEVER aperate mawer without proper guards, plates ar ather safety pratective devices in place.
- 12. Keep washaut parts and other mower housing service apenings clased when mawing.

#### MAINTENANCE AND STORAGE

- 1. Check blade and engine maunting balts at frequent intervals for praper tightness.
- 2. Keep all nuts, balts, and screws tight to be sure equipment is in safe warking canditian.
- 3. Never store equipment with gasaline in the tank inside of a building where fumes may reach an apen flame ar spark. Allaw engine ta coal befare storing in ony enclosure
- 4. Ta reduce fire hazard keep engine free of grass, leaves ar excessive grease.
- 5. Check grass catcher bags frequently far wear or deteriaration. Replace with new bags far safety\_pratection.

drap through slats into hales below.

- Place bag chute, Item Na. 3, anta deck with stud nearest ta "CAU-TION" passing through hale in chute. Moke sure captive carriage balts drap into slats in the bracket, Item No. 5, next to the right frant wheel. Place half ring clamp, Item Na. 77, with slatted end ta rear, aver the frant stud. Secure with 5/16 washer and 5/16-18 lack nut.
  - Place 5/16-18 x 1 carriage balt through hale In deck which Is lacated at rear of discharge opening, and through hale in plastic chute. Secure with clip, Item Na. 86, 5/16 washer and ane 5/16-18 lack nut. NOTE: Head af carriage bolt must be ta inside af deck.
- 4. Slip the ends of front wire, Item No. 11, through the front flap of the bog and hack aver the rall bar, Item No. 10, as shawn in figure 4. Slip the ends of the rear wire, Item Na. 1, in the rear flap and haak over the tap section of the lower hondle pivating, Item Na. 14. If tap af bag is not taut, remove and shift front and rear wires ta inbaard flaps and replace. Naw slip inlet neck af bag, Item Na. 2, aver bag chute as for as passible. Da nat allow side of bag ta black discharge apening of chute. Stap engine and empty bag of grass clippings at rear apening before bag is aver filled ar bog chute will became clogged. NEVER ATTEMPT TO CLEAR BAG CHUTE IF CLOG-GED UNLESS ENGINE IS STOPPED AND SPARK PLUG WIRE IS DISCONNECTED.

### INSTALLATION OF SIDE CHUTE:

- 1. Remave spark plug wire.
- 2. Remove grass catcher in reverse sequence of above installation.
- 3. Attach side chute extension, Item Na. 88, ta side chute, Item Na. 7. using faur 10/32 hex nuts, four 10/32 x 5/16 RHMS and faur Na. 10 internal taath lack washers. NOTE: Head of bolts must be to inside of chute. See illustration.
- 4. Grip metal side chute, Item No. 7, with both hands and slip large slotted hale over mounting key on the deck. Slightly squeeze tagether and slip captive carriage balt into slot in bracket, Item Na. 5, at right front wheel while halding the slotted hale on the deck key.
- 5. Use one of the half clamps, Item Na. 77, to hald the tap dawn at the front stud. Use the other half round clamp, Item No. 77, to go over the rear stud and into the small slat in the side chute, Item Na. 7. Fasten with three 5/16 flat washers and three 5/16-18 hex lock nuts.

### ENGINE CARE AND OPERATION:

- 1. FILL ENGINE WITH OIL BEFORE CRANKING.
- 2. Refer to engine manual furnished with this packet of instructions, to oil, fuel, and maintain the engine praperly.

3. NEVER PLACE MOWER ON ITS LEFT HAND SIDE WITH SPARK PLUG POINTED DOWNWARD AS THIS WILL ALLOW THE ENGINE OIL TO RUN OUT THROUGH THE VALVE TAPPET VENT. If left too long, oil could also leak post the piston into the cylinder.

#### LUBRICATION:

- 1. Change oil as specified in the engine manual.
- 2. Occasionally put a few drops of ail on all movable parts.
- The ball bearing wheels have been factory greased and should not be greased unless remaved.
- 4. Transmission assembly is pro-lubricated with 4 ounces of Snopper "OO" Grease, Port No. 1-1050. To check greose, remove plug, Item No. 4, and see if grease is on input geor ossembly, Item No. 17. If nat, then odd grease to transmissian, ond replace the plug. The grease should be checked overy 10 hours of operation.

#### ADJUSTING CUTTING HEIGHT:

- This mower has solid through oxles, front and rear, to give superior strength and wheel olignment. Thus with the through oxle design, it is necessary to wolk the height latches one notch at a time when it is desired to change cutting height. NEVER UNLATCH BOTH SIDES AT THE SAME TIME.
- When changing cutting heights, make sure that all latches are in matching slots. This results in the cutting blade being slightly higher in the rear to eliminate drag.

### REFER TO PICTURES BELOW FOR PROPER INSTALLATION OF GRASS CATCHER AND SIDE CHUTE

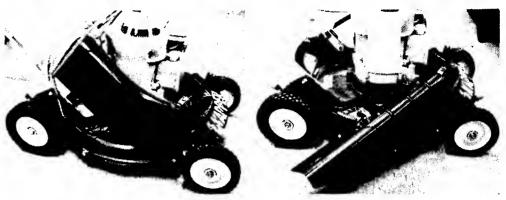


FIGURE 1

FIGURE 2

#### **OPERATING TIPS**

- 1. For forward speed, shift speed lever, Item No. 27, to slow speed and press in an clutch lever, Item No. 21. Desired speed then may be obtained by shifting speed lever. To stop forward motion of machine, release clutch lever handle, Item No. 21, and shift speed lever to neutral.
- SNAPPER V210P will cut either forward or backward. However, due to the set of the blade, slightly less power is required for forward cutting than for reverse cutting.
- 3. To turn at end of row, push down on hondle bors to roise front wheels off of the lown. This permits turning on the bock wheels only and soves scuffing the lawn.
- 4. For cutting on slopes, It is usually best to move side to side only not up and down hill.
- 5. When vocuuming a poved walk or driveway, first lower deck to lowest position. It is then best to run V210P forward along the extreme left hand slde of the area to be cleaned. This will pick up some litter and windraw same litter to the right of the first swoth.
- 6. To prolong the life and usefulness of your mower, it is a good practice to wash out all the grass that may be sticking to the underside of the deck.

No.	Port No.	Description	Qiy.	
1.	1-1117	Selt	1	TRANSMISSION ASSEMBLY 5-0633
2.	9-0303	1/4-28 Hex Lock Nut	6	
3.	3-1754	Transmission Brocket	1	
4.	1-1133	Plug	1	•
••	5-0263	Long Axle Assembly	1	7 \
5.	2-1131	Long Axle	1	
6.	1-0410	3/16 x 1-1/8 Roll Pin	1	
7.	9-0042	1/8 x 3/4 Cotter Pin	1	
8.	4-7714	Guard Structure	1	
	5-0262	Short Axle Assembly	3	
9.	2-1130	Short Axle	1	• \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
10.	1-1201	5/16-24 Hex Lock Nut	1	
11.	1-1079	Spring Washer	1	
12.	1-0936	Pally "V" Pulley	1	
13.	1-1724	Spring Wosher	1	19 20
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		FIGURE 3	•	

Ne.	Part No.	Description	Qty
14.	2.0938	Thrust Washer	2
15.	1.0172	3/16 x 1-5/8 Roll Pin	2
16.	1-1767	Ball Bearing	- 1
17.	5.0305	Input Geor Assembly	- 1
18.	1-1179	Seal	2
19.	1-0919	46 Tooth Geor	2
20.	1.0826	Roll Pin	2
21.	2-1132	Shoft	1
	5-0268	Inboard Heusing Assembly	- 1
22.	1-8048	Inboard Housing	- 1
23.	1-0932	Bearing	2
24.	1-1110	Shoft	2
25.	2.1115	12 Tooth Geor	2
26.	2-1116	Differential Gear Axle	2
27.	1-1774	Gosket	- 1
	5 0269	Outboard Housing Assembly	- 1
28.	1-8050	Outboord Housing	1
29.	9-0487	1 4-28 x 3-1/4 HHCS	4
30.	1.1884	<b>Bell Cronk Spring</b>	1
31.	5-7087	Belt Guard Assembly	1
32.	1-2071	Thrust Wosher	- 1
33.	1-2047	8ushing	1
34.	1-0816	Thrust Wosher	- 1
35.	1-1887	3L 250 Engine Belt	1
36.	3-1013	Tire Plote	1
37.	1-0927	Driven Ring	1
38.	5-0630	Driven Disc Assembly	1
39.	1-1119	Caver	1
40.	5-0629	Bearing Holder Assembly	1
41.	9-0460	7/16-20 Hex Nut	1
42.	9-0289	3/8-24 Hex Lock Nut	1
43.	2-1709	Paly "V" Pulley	1
44.	5-0687	Bell Guord Assembly	1
45.	2-1708	Hex Shoft	1
46.	9-0307	10-24 x 1/2 SEMS	5
47.	9-0303	1/4-28 Hex Lock Nut	3
48.	1-1880	Clutch Rod	1
50.	9-0361	5/16-18 × 5/8 SEMS	4
50. 51.	5-0634	Drive Disc Assembly	i
51. 52.	9-0122 1-1032	3/B SAE Wosher Felt Seal	1
53.	3-1132		i
53. 54.	3-1132	Bearing Shield Deck Bracket	i
55.	9-0390	3/8 Internal Tooth L'-Wosher	2
56.	9-0155	3/8-24 Hex Nut	3
57.	1-0948	Idler Pulley	1
58.	1-1877	Bell Crank	i
59.	1-0947	Idler Spring	i
60.	9-0174	3/8-24 x 3 HHCS	i
61.	3-1006	Idler	i
62.	9-0107	1/4-28 x 1-1/4 HHCS	i
63.	1-1873	Shifter Cone	i
•••	1-14/3		•

	Ne.	Part No.	Description	Qty.	Ne.	Part Ne.	Description	Qty.	No.	Part No.	Description	Qty.
		3-1128	Rear Wire	1	30.	3-7333	Lower Handle, Stationary	2	56.	3-7300	Frant Bracket	2
	2. 3.	1-1098 5-0293	Grass Bag Bag Chute Ass'y., V210P	1	31. 32.	9-0189 9-0388	5/16 IntExt. 7aoth L'-Wash 5/16-18 Dat "7" Nut	er 2 1	57. 58.	1-1103 3-1017	Spacer Wheel Arm, Front, R. H.	1
	3.	5-0679	Bag Chute Ass'y., V210PS	1	33.	3-1755	Anchar Lever	1	59.	1-1079	Spring Washer	2
	4. 5.	9-0196 3-1124	5/16-18 Hex Nut Side Bracket	1	34. 35.	3-1811 1-1880	Holder Half Clutch Rod	1	60. 61.	3-1121 1-1083	Front Hub Cap Frant Wheel, 7 X 1:50	2
	6. 7.	9-0361 5-0302	5/16-18 x 5/8 SEMS S7 Side Chute Assembly	9 1	36. 37.	1-1977 1-2093	Clutch Rod Clip Spring	1 2	62. 63.	1-1125 9-0377	Bearing 7/16-20 Jam Lack Nut	4
	В.	1-0945	Rear Wheel	2	38.	3-1756	Sell Crank Maunt	į	64.	9-0167	3/8-24 x 2, GR 5 Cap Screv	v į
	9. 10.	1-1113 3-730 <b>5</b>	Plastic Hub Cap Roll Bor	2 1	39. 40.	9-0197 1-0974	5/16-18 Jam Nut 5/16-24 Weld Nut	1	65. 66.	1-2063 3-1122	Cane Washer Clutch Washer	2
	.11. 12.	3-1127 9-0302	Frant Wire 1/4-20 x 3/8 HWS7	1	41. 42.	1-1093 1-0921	Grip Height Lotch	4	67. 68.	1-1102 1-8065	Fibre Washer Cutter Bor	1
	13.	1-1879	Grip	į	43.	1-0935	3/4 Special Washer	2	69.	2-1018	Shack Clutch Hub	į
	14. 15.	3-7331 9-0095	Lower Handle 1/4-28 Hex Nut	5	44. 45.	3-1018 1-0953	Wheel Arm, Rear, R. H. Bearing	1 2	70. 71.	1-0008 9-0471	Key 1/4-20 x 5/16 Socket Head	'
	16. 17.	9-0528 9-0053	1/4-28 x 1-1/2 HHCS, Gr. 5 1/4 internal Tooth L'-Wosher		46. 47.	1-1791 9-0227	Balt Retainer 5/16-24 x 5/B HHCS	5	72.	2-1707	Set Screw Engine Pulley, 3-1/2 H.P.	1
	18.	4-9565	Upper Handle Structure	1	48. 49.	3-7308	Rear Bracket, R. H. "O" Ring	į	73. 74.	1-0783 2-1119	Hi-Pra Key Frant Axle	į
	19. 20.	9-0489 3-7309	Push Nut Rear Bracket, L. H.	i	50.	1-1025 9-0011	No. 10 Int. 7ooth L'-Washer	4	75.	3-1856	Clamp	1 2
	21. 22.	3-1156 1-1886	Clutch Lever ,. Pin	1	51. 52.	1-18 <b>85</b> 1-1078	Bearing 5/16-1B Shaulder Screw	1	76. 77.	3-1016 3-1123	Wheel Arm, Frant, L. H. Clamp	1 2
	23.	3-1019	Wheel Arm Rear, L. H.	1	53.	9-0324	3/8-16 x 1 HW57	2	78. 79.	5-0678 3-1842	interlack Assembly Bracket	1
	24. 25.	9-0399 1-8088	10-24 Hex Nut Thrattle Control, 3½ H.P.	1 -	54. 55.	9-0240 9-0359	516-24 x 1-1/4 HHCS 5/16-24 x 1-5/8 HHCS, Gr. !		BO.	1-2049	Cantact	j
	26. 27.	1-2073 1-2074	Lawer Pull Rod Upper Speed Lever	1	55.	9-0324	(Manual Start) 3/8-16 x 1 HWS7	1	B1. B2.	9-0385 1-2048	Tab Washer Insulatar	1
	28.	1-0098	Clip	2			(Electric Start)	1	B3. B4.	9-0379 9-0383	8-18 x 3/4 Sheet Metal Screw 5/16-18 x 1 Carriage Bolt	1
	29.	1-1878	Hook Spring	1					85.	3-7311	Deck	į
					1 1	03 22			86. 87.	3-1801 1-1780	Clip Nylan Ring	1 2
				80 =	D. L				88.	3-9572 9-0007	Side Chute Extension 10/32 x 5/16 RHMS	1
				17-	1		17 15		89. 90.	9-0013	10/32 Hex Nut	4
				10	- 11	25	1/		91. 92.	9-0112 9-0222	1/4-28 x 2 HHCS 5/16-24 Lock Nut	2
				//	1	يد لحد ١	id		93. 94.	9-0530 1-1796	10-24 x 1/2 Carriage Bolt Fiber Washer	1 2
			18-1	1	N	1 1			95.	1-19B2	Grip	ij
		_ /		1	A SA	7			96. 97.	9-0526 2-1739	1/4-20 x 3/8 Sq. Hd. Set Scre Sleeve	1
	,		<b>&gt;</b> \\	190	1	1			98. 99.	9-0187 9-0188	5/16 Lock Washer 5/16 SAE Washer	4
	1			/ /13	-	1			100.	2-1740	Spacer	1
				1		141	\		101. 102.	1-2075 1-2072	Lawer Speed Lever Upper Pull Rod	i
	8			1	102	1110	\		103. 104.	1-2070 3-1809	Bushing Holder Half	2 1
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		10	5/		/	52	10 12				MS NOT SHOWN ON V210P4	
	1	. G		.//			99 67 60 60			Part Na.	Description	Qty.
	9	00		/	62 -	13	8059 58 70 S6	_		3-7351	Heat Shield, 4 H.P.	1
	9	86	0-0			P		/		ITE	MS NO7 SHOWN ON V210PS	;
			4-19			63 60	61 94			Part No.	Description	Qty.
			88	7						3-73 <b>51</b> 1-1770	Heat Shield Battery Assembly	1
				•			67			1-1789 1-1790		1
			0-80			•	66			1-1167	Switch Key	i
		<b>&gt;</b>	11 1	+ L L		6	8			3-1141 1-1139	Switch Maunting Plote Switch	1
			الن	60	•	FIGURE 4	64			5-7081 1-1141	Battery Clamp Harness Assembly	1
			L	9000			-				·	

**MANUAL #06061** 

### **OPERATOR'S MANUAL**

# **SNAPPER MOWER**

MODELS SV181 - V181 - V181S SV211 - V211 - V2115 - V2114

## **IMPORTANT SAFETY INSTRUCTIONS**

WARNING: Failure to comply with the following instructions may result in serious injury to the operator or other persons. The owner of the mower must understand these instructions and, furthermore, must allow only persons who understand these instructions to operate the mower. Any person operating the mower must be of sound mind and body and must not be under the influence of any substance which might impair vision, dexterity, or judgement.

### **TRAINING**

- Read this Manual carefully. Be thoroughly familiar with the controls and proper use of the mower.
- 2. Never allow children to operate a power mower.
- 3. Keep the area of operation clear of all persons, particularly small children, and pets.

### PREPARATION

- Never operate mower without proper guards, plates, safety switches, or other safety protective devices in place and properly connected. Inspect to determine that these safety devices are installed properly, are in good repair, and operate properly. If the condition or operation of these devices are questionable, they must be repaired or replaced before using the mower.
- Thoroughly inspect the area where the mower
  is to be used and remove all stones, sticks,
  wire, bones and other foreign objects. Also
  note the location of holes, stumps, and other
  possible hazards.
- Do not operate mower when barefoot or wearing open sandals. Always wear substantial footwear and long pants.
- 4. Fill gasoline tank before starting engine. Use approved gasoline container. Do not smoke near open gasoline container. Do not fill gasoline tank indoors or when engine is running. Allow engine to cool for at least ten minutes before refilling. Wipe off any spilled gasoline before starting engine. Do not run engine indoors.
- 5. Never attempt to make a wheel height adjustment while the engine is running.
- 6. When mowing over rough ground or in tall grass, mower must be set in highest cutting position.
- 7. Mow only in daylight or in good artificial light.
- Never operate mower in wet grass. Always be sure of your footing; keep a firm hold on the handle and walk; never run.

### **OPERATION**

- 1. Do not change engine governor settings or overspeed engine.
- 2. Do not put hands or feet near or under rotating parts. Keep clear of discharge area while engine is running.
- Stop engine when crossing gravel drives, walks, or roads, and under any conditions where thrown objects might be a hazard.
- After striking a foreign object or if mower vibrates abnormally, stop the engine, disconnect and secure spark plug wire. Inspect the mower for any damage and repair the damage.
- Stop engine whenever you leave the operating position behind the handle for any reason, including emptying grass bag and making any adjustments, repairs, or inspections.
- 6. Before cleaning, repairing or inspecting, make certain blade and all moving parts have stopped. Disconnect and secure spark plug wire away from plug to prevent accidental starting.
- Stop engine and wait until the blade comes to complete stop before removing grass bag and/or unclogging chute.
- 8. Mow across steep slopes, never up-and-down. Exercise caution when changing directions on slopes. Do not mow excessively steep slopes.

### MAINTENANCE AND STORAGE

- 1. Keep all nuts, bolts, and screws tight to be sure mower is in safe operating condition.
- Never store mower with gasoline in the tank inside of a building where fumes may reach an open flame or spark. Allow engine to cool before storing in any enclosure.
- 3. To reduce fire hazard keep mower free of grass, leaves or excessive grease.
- Check grass bag assembly frequently for wear or deterioration. Replace with new bag if loose seams or tears are evident. Replace slider or bag chute if broken or cracked.
- Have your mower inspected and serviced each year by an authorized Snapper dealer. Determine if any additional devices are available which might upgrade the safety of your mower.
- Factory specified Snapper replacement parts must be used to assure adequate protection against injury.

### **ASSEMBLY**

### HANDLES

- Pull up and back on lower handle pivoting, Item No. 52. Tighten the two 5/16" wing nuts, Item No. 61.
- Fasten upper handle, Item No. 56, to lower handle pivoting, Item No. 52, using two 1/4"-28 x 1-1/2" hex head cap screw, Item No. 54, two 1/4" internal tooth lock washers, Item No. 58, and two 1/4"-28 hex nuts, Item No. 51.

### THROTTLE CONTROL

- Fasten throttle control to outside of upper handle, Item No. 52, using one 1/4"-28 x 1-3/4" hex head cap screw, Item No. 21, one 1/4" internal tooth lock washer, Item No. 58, and one 1/4"-28 hex nut, Item No. 51.
- Fasten throttle control conduit to handles using clips, Item No. 53.

#### GRASS BAG

- 1. Disconnect spark plug wire.
- Place roll bar, Item No. 45, with off-set side on right hand side into slots in rear wheel brackets, Item No. 43, top part will lay down close to engine, raise up allowing ends to drop through the slots into holes below.
- 3. Place grass chute, Item No. 4, onto deck with stud nearest to caution passing through hole in chute. Make sure captive carriage bolt drops into slot in the bracket, Item No. 6, next to the right front wheel. Also make sure that chute is pushed straight downward so that ground contact of the interlock switch, Item No. 28, deflects ond permits engine to be started. Place clamp, Item No. 26, with slotted end to rear, over the front stud. Secure with 5/16" flat washer, 5/16" lock washer, and one 5/16 x 18 hex nut. See page 7.
- 4. Place 5/16"-18 x 1" carriage bolt, Item No. 60, through hole in deck which is located at rear of discharge opening, and through hole in plostic chute. Secure clip, Item No. 68, with one 5/16" flat wosher, one 5/16" lock wosher, and one 5/16" x 18 hex nut. (NOTE: Head of carriage bolt should be to inside of deck).
- 5. Slip the ends of front wire, Item No. 3, through the front flap of the bag ond hook over the roll bar. Slip the ends of the rear wire, Item No. 1, into the rear flap of the bag and hook over top section of lower handle. Top of bog should be slack for best performance. Tension along top of bog may be relieved by bending roll bar backwards slightly. Tie slider cord to rear bog wire.
- Slip the inlet end of the bag over chute as far os possible. Do not ollow side of bog to block discharge opening of chute.

### SIDE CHUTE

- 1. Remove spark plug wire.
- Attach side chute extension, Item No. 64, to side chute, Item No. 8, using four 10/32" hex nuts, Item No. 65, four 10/32" x 5/16" round head machine screws, Item No. 67, and four 10/32" :nternal

- tooth lock washers. (NOTE: Heads of bolts must be to inside of chute). See page 7.
- 3. Grip metal side chute with both hands, slightly squeezing together, slip large slot over mounting key in deck, and captive carriage bolt into slot in bracket, Item No. 6. Also be sure that chute is pushed straight downward so that ground contact of interlock switch, Item No. 28, deflects and permits engine to be started.
- 4. Use one of the clamps, Item No. 26, to hold the top down at the front stud. Use the other clamp to go over the rear stud and into the small slot in side chute. Fasten with three 5/16" flat washers, three 5/16" lock washers and three 5/16"-18 hex nuts.

### **ADJUSTMENT**

### **CUTTING HEIGHT**

- This mower has solid through axles front and rear to give superior strength and wheel alignment. Thus, with the through axle design, it is necessary to walk the height latches one notch at a time, side to side, when it is desired to change the cutting height.
- Setting the rear height latches one notch lower than the front will improve performance by raising the rear of the deck,

# NOMINAL CUTTING HEIGHT — INCHES NOTCHES FROM THE TOP

1	2	3	4	5	6
18" — 1"	1 ½ "	2"	2 3/8 "	2 ¾ "	3 1/8 "
21" - 7/8"	1 1/4 "	1 ¾ "	21/4"	2 ¾ "	3 1/8 "

### **OPERATION**

### STARTING ENGINE

- 1. Fill engine with SAE detergent 30 Wt. engine oil.
- 2. Fill gas tank with leoded or unleaded regular gas.
- Move throttle control to "START", place foot on deck that is marked "PLACE FOOT HERE WHEN CRANKING". Pull starter rope ropidly.
- On electric start models, move throttle to stort, turn key to start, release when engine starts.
- IF ENGINE DOES NOT START, CHECK INTERLOCK SYSTEM.

#### **GRASS BAG**

- 1. Grass bag should be emptied before chute is allowed to clog. When the chute begins to clog, oir pressure ceases to push the top of the bag upword ond the sound of the engine changes.
- The first and most important step in emptying the grass bog is to STOP THE ENGINE AND PAUSE UN-TIL THE BLADE STOPS ROTATING.
- 3. Stop engine. Grasp the front wire, Item No. 3, with

one hand, then the reor wire, Item Na. 1, with the other hand, unhaok and lift up, pulling the grass bag apening aff af the grass chute.

- To empty the grass bag, grasp the bag with ane hand and pull aff the slider, Item Na. 22, with the other hand.
- Replace the grass bag, re-fold the rear of the bag and replace slider before starting engine. See the illustration on page 6.

#### **GENERAL**

- SNAPPER V211 will cut either farward or backward. However, due to the set of the blade, slightly less pawer is required far forward cutting than for reverse cutting.
- To turn at end af row, push dawn on handle bars ta raise frant wheels off af the lawn. This permits turning an the back wheels only and saves scuffing the lawn.
- 3. For cutting an slopes, it is usually best to mave side to side only not up and down hill.
- 4. When vocuuming a paved walk or driveway, first lower deck ta lowest positian. It is then best ta run the V211 forward along the extreme left hand side of the area to be cleaned. This will pick up some litter and windraw some litter to the right of the first swath.

### MAINTENANCE

### **GENERAL**

- Refer to engine manual furnished with this packet of instructions, to oil, fuel, and maintain the engine properly.
- Never place mower an its left hand side with spark plug pointed dawnword os this will ollow the engine oil ta run out through the valve tappet vent. If left taa long, ail could also leak past the piston into the cylinder.
- Have your mower inspected and serviced each year an authorized Snapper dealer. Determine if any additional devices are available which might upgrade the safety of your mawer.
- Factory specified Snapper replacement parts must be used to ossure moximum protection against injury.
- Ta pralong the life and usefulness of your mower, it is a goad proctice to wash out all af the grass that may be sticking to the underside of the deck.

### LUBRICATION

- 1. Change oil as specified in engine manual.
- Occosionally put a few drops af ail on all maveable parts.
- The boll bearing wheels have been factory greased and should not be greased unless removed.

### **OPTIONAL ACCESSORIES**

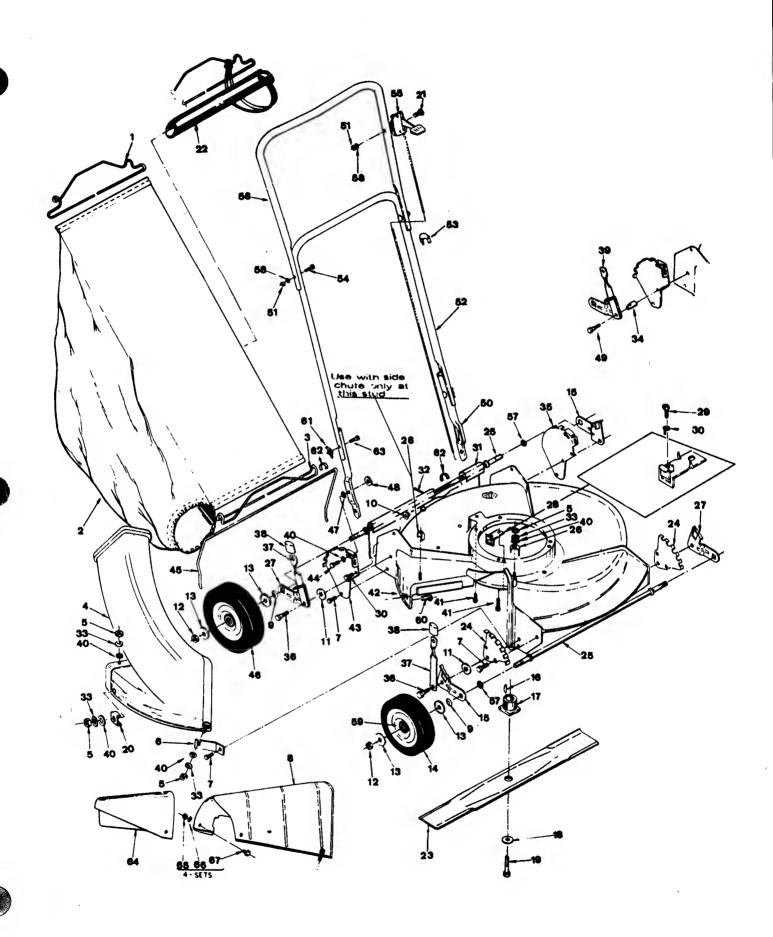
The optianol accessories listed below are avoilable from your Snapper dealer. These kits will add to your canvenience and extend the use of the praduct. Any of these kits may be installed in less than ten minutes using standard hausehald taals.

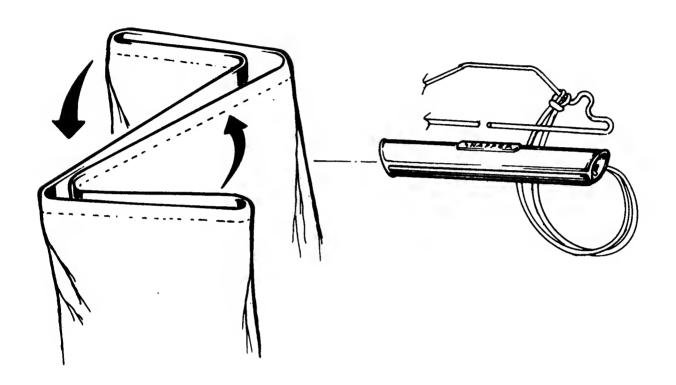
- SIDE CHUTE KIT 6-0257 (for V181 series); 6-0258 (for V211 series). This kit cansists of a metal chute and fasteners ta permit conversion of the mower to side discharge aperation.
- ZIP KIT 6-0254. This kit consists of a plastic coated metal hoap which may be installed an the reor end of the grass bag. Its purpose is to permit fast transfer af the clippings directly into a standard disposable trash bag.
- SNAPPERIZER KIT 6-0255 (for V211 series only).
   This kit cansists af on expanded metal shredder plate, a bottam plate, and attaching hardware. Its purpase is to convert the mower into on outdoor vacuum and leof shredder.
- 4. GRASS BAG KIT 6-0248 (for SV211 series) and 6-0259 (far SV181 series). This kit cansists of a grass bag, roll bar, plastic chute, and fasteners to permit conversion of the mower to grass bagging operation.

## **PARTS LIST**

### MODELS SV181 - V181 - V1815 - SV211 - V211 - V2115 - V2114

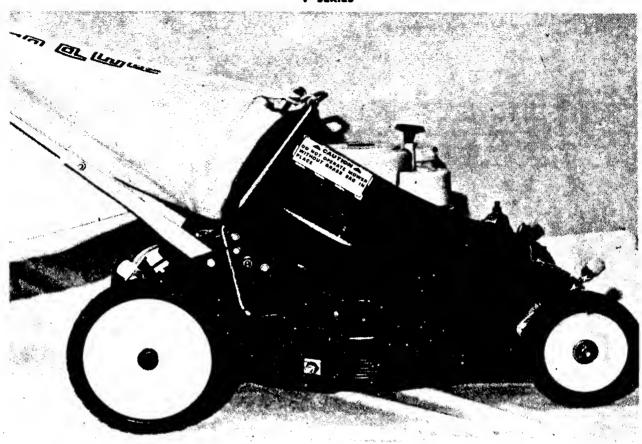
Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1.	3-1128	Rear Wire	1	42.	5-9517	Deck Assembly, V211	1
2.	1-2157	Grass Bag, V Series	1	42.	5-9520	Deck Assembly, V181	1
3.	3-1127	Front Wire, V Series	1	43.	3-7275	Rear Bracket, R.H.	1
4.	5-0609	Bag Chute Assembly, V181 Series	1	44.	9-0227	5/16-24 x 5/8 H. H. Cap Screw	2
4.	5-0679	Bag Chute Ass'y., V211 Series	1	45.	3-7305	Roll Bar, V211	1
5.	9-0223	5/16-24 Hex Nut	4	45.	1-8074	Rall Bar, V181	1
6.	3-1124	Side Bracket	1	46.	1-1082	Rear Wheels, V211 — 8 x 1.75	2
7.	9-0361	5/16-18 × 5/8 SEMS	5	46.	1-1083	Rear Wheels, V181 $-$ 7 $\times$ 1.50	2
8.	5-0610	Side Chute Assembly, SV181 Series	1	47.	9-0189	5/16 IntExt. Tooth Lock Washer	2
8.	5-0680	Side Chute Assembly, SV211 Series	: 1	48.	1-0974	5/16-24 Weld Nut	2
9.	1-1079	Spring Washer	4	49.	9-0211	5/16-18 x 1-1/2 HHCS (V181)	2
10.	9-0388	5/16-18 Dot "T" Nut	2	50.	3-7333	Lawer Handle Statianary, V211	2
11.	1-1791	Bolt Retainer	4	50.	3-7332	Lawer Handle, Statianary, V181	2
12.	9-0377	7/16-20 Jam "L" Nut	4	51.	9-0095	1-4-28 Hex Nut	3
13.	3-1121	Hub Cap	8	<b>52</b> .	3-7331	Lower Handle Pivating	1
14.	1-1083	Front Wheels, 7 x 1.50	2	53.	1-0098	Clip, Thrattle Contral	2
15.	3-1017	Wheel Arm, Frant R.H., Rear L.H.	2	54.	9-0529	$1/4-28 \times 1  1/4  HHCS$ , Grade 5	2
	6-0270	Blade Drive Kit	1	55.	1-8088	Thrattle Cantral, Briggs Engine	1
16.	1-0008	Key	1	<b>55</b> .	1-8099	Thrattle Control, Tecumseh Engine	1
17.	1-2180	Blade Drive Hub	1	56.	3-9548	Upper Handle	1
18.	1-2063	Cane Washer	1	<b>57</b> .	1-1103	Spacer	2
19.	9-0523	3/8-24 × 1-1/2 H. H. C. S., Gr. 5	1	58.	9-0053	1/4 Internal Tooth Lock Washer	3
20.	3-1801	Clip	1	59.	1-1125	Bearing	8
21.	9-0111	1/4-28 x 1 3/4 H. H. Cap Screw	1	60.	9-0383	5/16-18 x 1 Carriage Bolt	1
22.	5-0711	Slider Assembly, V Series	1	61.	5-0615	Wing Nut	2
23.	1-8167	Cutter Blade, V181	1	62.	1-1780	Nylon Ring	4
23.	1-8166	Cutter Blade, V211	1	63.	9-0015	1/4-20 x 1 3/4 Carriage Balt	2
24.	3-7300	Frant Bracket	2	64.	3 9572	Side Chute Extension, SV Series	1
25.	1-1749	Front and Rear Axle, V181	2	65.	9-0013	Na. 10 Fine Hex Nut	4
25.	2-1119	Frant and Rear Axle, V211	2	66.	9-0011	Na. 10 Internal Taath Lack Washer	4
26.	3-1123	Clamp	2	67.	9-0007	10-32 × 5/16 RHMS	4
<b>27</b> .	3-1016	Wheel Arm, Frant L.H., Rear R.H.	2				
28.	5-0678	Interlack Assembly	1				
29.	9-0525	8-18 x 1/2 SMS	1				
30.	9-0385	Tab Washer	1				
31.	3-1762	Guard, V181 Series	1		ITEMS	NOT SHOWN ON V181 - V211	
31.	3-1763	Guard, V211 Series	1				
32.	9-0041	1/8 x 1 Catter Pin	1		3-7351	Heat Shield, Briggs Engine	1
33.	9-0187	5/16 Lack Washer	4		9-0457	Internal Toath Lock Washer, Briggs Engine	1
34.	2-1737	Wheel Arm Spacer, V181	2			briggs trigine	
35.	3-7277	Rear Bracket, L.H.	1				
36.	1-1078	Shaulder Screw	4		ITEMS NO	OT SHOWN ON V ELECTRIC START	
<b>37</b> .	1-0921	Height Latch, V211	4		1-1789	Battery Charger	1
37.	1-0921	Height Latch, Frant, V181	2		1-1790	Battery	1
38.	1-1093	Grip	4		1-1139	Switch W/Keys	1
39.	1-2076	Height Latch, Rear, V181	2		1-8095	Wiring Harness	1
40.	9-0188	5/16 SAE Washer	7		5-0705	Battery and Switch Bracket Assy.	1
41.	9-0324	3/8-16 x 1 St. Screw	3		1-1167	Key	1
						-	



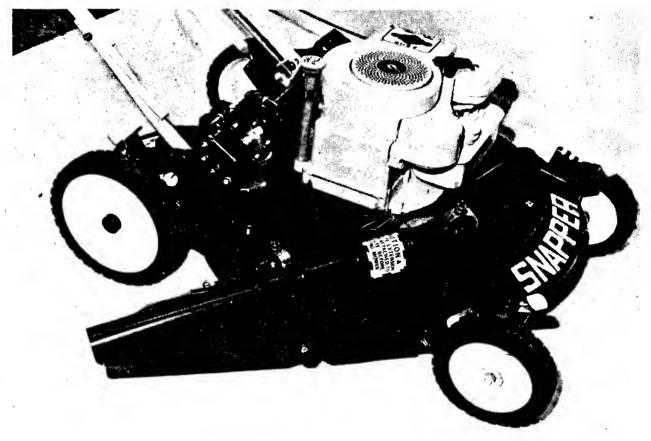


## **BAG CLOSING INSTRUCTIONS**

- 1. Fold into Z shape as shown, keeping edges aligned.
- 2. Hold edges together while pushing on slider. Be sure all edges are inside of slider.



SV SERIES



### THANK YOU FOR BUYING A SNAPPER PRODUCT!

We have designed and built this machine with utmost care, and it is intended to give you long and satisfactory service.

Any mechanical device can be potentially dangerous if not used properly. No accident prevention program can be successful without the wholehearted co-operation of the person who is directly responsible for the operation of the equipment. Study this operator's manual to learn the operation of the controls and observe all safety precautions. Only use this machine for the purpose it is intended. By following these instructions and safety precautions you should enjoy the long and trouble free operation you expect.

\_\_\_\_\_\_

### LIMITED WARRANTY

For one year from purchase date for a non-commercial user, ar for 30 days from purchase date for a commercial user, McDonough Pawer Equipment, Inc., through any factory authorized service dealer, will replace for the original purchaser, free af charge, any part or parts, found upon examination by the factory at McDonough, Georgia, to be defective in material ar workmanship or both.

All transportation cost incurred by the purchaser in submitting material to an authorized service dealer for replacement under this warranty must be borne by the purchaser.

This warranty does not apply to engines and their components, as these items are warranted separately by their manufacturers. Neither does it apply to parts that have been damaged by accident, alteration, abuse, improper lubrication, normal wear, or ather cause beyond our control.

There is no other express warranty.

Implied warranties, including those of merchantability and fitness for a particular purpose, are limited to one year from purchase for non-commercial users, and for 30 days from purchase for commercial users and to the extent permitted by law any and all implied warranties are excluded. This is the exclusive remedy. Liabilities for consequential damages under any and all warranties are excluded.

WARNING: Use af replacement parts ather than genuine Snapper parts may impair the safety of your mawer and will vaid our warranty.

IMPORTANT: This warranty is void unless the werranty card attached is filled out completely and mailed to the Fectory within 10 days of purchase date.

IT IS THE POLICY OF McDONOUGH POWER EQUIPMENT, INC. TO IMPROVE ITS PRODUCTS WHENEVER IT IS POSSIBLE AND PRACTICAL TO DO SO. WE RESERVE THE RIGHT TO MAKE CHANGES OR ADD IMPROVEMENTS AT ANY TIME WITHOUT INCURRING ANY OBLIGATION TO MAKE SUCH CHANGES ON PRODUCTS MANUFACTURED PREVIOUSLY.

McDONOUGH POWER EQUIPMENT, INC.



McDONOUGH, GA., U. S. A., 30253

### **OPERATOR'S MANUAL**

# SNAPPER MOWER

W211P - V211PS - V211P4

### **IMPORTANT SAFETY INSTRUCTIONS**

WARNING: Failure to comply with the following instructions may result in serious injury to the operator or other persons. The owner of the mower must understand these instructions and, furthermore, must allow only persons who understand these instructions to operate the mower. Any person operating the mower must be of sound mind and body and must not be under the influence of any substance which might impair vision, dexterity, or judgement.

### **TRAINING**

- Read this Manual carefully. Be thoroughly familiar with the controls and proper use of the mower.
- 2. Never allow children to operate a power mower.
- 3. Keep the area of operation clear of all persons, particularly small children, and pets.

### **PREPARATION**

- Never operate mower without proper guards, plates, safety switches, or other safety protective devices in place and properly connected. Inspect to determine that these safety devices are installed properly, are in good repair, and operate properly. If the condition or operation of these devices are questionable, they must be repaired or replaced before using the mower.
- Thoroughly inspect the area where the mower is to be used and remove all stones, sticks, wire, bones and other foreign objects. Also note the location of holes, stumps, and other possible hazards.
- Do not operate mower when barefoot or wearing open sandals. Always wear substantial footwear and long pants.
- 4. Fill gasoline tank before starting engine. Use approved gasoline container. Do not smoke near open gasoline container. Do not fill gasoline tank indoors or when engine is running. Allow engine to cool for at least ten minutes before refilling. Wipe off any spilled gasoline before starting engine. Do not run engine indoors.
- 5. Make sure that the traction drive deadman control is disengaged before starting engine.
- Never attempt to make a wheel height adjustment while the engine is running.
- 7. When mowing over rough ground or in tall grass, mower must be set in highest cutting position.
- 8. Mow only in daylight or in good artificial light.
- Never operate mower in wet grass. Always be sure of your footing; keep a firm hold on the handle and walk: never run.

### **OPERATION**

- Do not change engine governor settings or overspeed engine.
- Do not put hands or feet near or under rotating parts. Keep clear of discharge area while engine is running.
- Stop engine when crossing gravel drives, walks, or roads, and under any conditions where thrown objects might be a hazard.
- 4. After striking a foreign object or if mower vibrates abnormally, stop the engine, disconnect and secure spark plug wire. Inspect the mower for any damage and repair the damage.
- Stop engine whenever you leave the operating position behind the handle for any reason, including emptying grass bag and making any adjustments, repairs, or inspections.
- Before cleaning, repairing or inspecting, make certain blade and all moving parts have stopped. Disconnect and secure spark plug wire away from plug to prevent accidental starting.
- Stop engine and wait until the blade comes to complete stop before removing grass bag and/or unclogging chute.
- Mow across steep slopes, never up-and-down. Exercise caution when changing directions on slopes. Do not mow excessively steep slopes.

#### MAINTENANCE AND STORAGE

- 1. Keep all nuts, bolts, and screws tight to be sure mower is in safe operating condition.
- Never store mower with gasoline in the tank inside of a building where fumes may reach an open flame or spark. Allow engine to cool before storing in any enclosure.
- 3. To reduce fire hazard keep mower free of grass, leaves or excessive grease.
- Check grass bag assembly frequently for wear or deterioration. Replace with new bag if loose seams or tears are evident. Replace slider or bag chute if broken or cracked.
- Have your mower inspected and services each year by an authorized Snapper dealer. Determine if any additional devices are available which might upgrade the safety of your mower.
- Factory specified Snapper replacement parts must be used to assure adequate protection against injury.

### **ASSEMBLY**

### HANDLES

- Place lower handle, Item No. 21, Page 5, in groove of lower handle stationary; Item No. 27. Secure with two 1/4"-28 x 1-1/2" hex head cap screws, Item No. 17, two 1/4" internal tooth lock washers, Item No. 18, and two 1/4"-28 hex nuts, Item No. 16.
- Fasten upper handle structure, Item No. 10, Page 5, to lower handle, Item No. 21, using two 1/4"-28 x 1-1/4" hex head cap screws, Item No. 19, two 1/4" internal tooth lock washers, Item No. 18, and two 1/4-28 hex nuts, Item No. 16.

### THROTTLE CONTROL

Fasten throttle control, Item No. 15, Page 5, to outside of upper handle structure using one 1/4-28 x 2" hex head cap screw, Item No. 14, one 1/4" internal tooth lock washer, Item No. 18, and one 1/4"-28 hex nut, Item No. 16.

### **CLUTCH PULL ROD**

- Install clutch pull rod, Item No. 6, Page 5, into the clutch lever, Item No. 4, as shown in Illustration A. Secure with push nut, Item No. 2.
- Hook eye of pull rod into wheel drive spring, Item No. 26, Page 7.
- Slide vinyl cover, Item No. 26, Page 5, over spring and eye of clutch rod.
- 4. Fasten clutch rod to the outside of the hondles using clip, Item No. 20, Page 5.

### SPEED CONTROL LEVER

- Place lower portion of speed control lever, Item No. 74, Page 5, into slots of speed control anchor, Item No. 32.
- Slide spring, Item No. 13, Poge 5, and wosher, Item No. 12, and vinyl cover, Item No. 11, over upper section of speed control lever. (NOTE: Spring and washer must go past 90 degree bend on upper end of speed control lever).
- Compress spring and washer so that it will be under the speed selector when the speed control lever is placed into the slot.

### TRANSFER ROD

Install flat end of transfer rod, Item No. 53, Page 7, into slot of transfer rod connector, Item No. 52.
 Slide 1/4" rod clip, Item No. 55, Page 7, onto speed control lever. Place round end of transfer rod tthrough speed control lever and fasten rod clip to transfer rod.

### **GRASS BAG**

- 1. Disconnect spark plug wire.
- Place roll bar, Item No. 24, Poge 5, with off-set on right hand side into slots in reor wheel brackets, Item Nos. 47 and 49 on Poge 5. Top part will lay down close to engine. Raise up, allowing ends to drop through slots into holes below.
- 3. Place grass chute, Item No. 1, Page 7, onto deck with stud nearest to coution possing through hole in chute. Make sure captive carriage bolt drops into slot in the bracket, Item No. 7, Page 7, next to the

- right front wheel. Also, make sure that chute is pushed straight downward so that ground contact of interlock switch, Item 71, deflects and permits engine to be started. Place clamp, Item No. 9, with slotted end to rear, over the front stud. Secure with 5/16" washer and 5/16" hex nut. See page 8.
- 4. Place 5/16" x 18 x 1" carriage bolt, Item No. 8, Page 7, through hole in deck which is located at rear of discharge opening, and through hole in plastic chute. Secure with clip, Item No. 5, 5/16" lock washer, Item No. 3, and 5/16" hex nut, Item No. 2. (NOTE: Head of carriage bolt should be on inside of deck).
- 5. Slip the ends of front wire, Item No. 25, Page 5, through the front flap of the bag and hook over the roll bar. Slip the ends of the rear wire, Item No. 1, into the rear flap of the bag and hook over top section of lower handle. Top of bag should be slack for best performance. Tension along top of bag may be relieved by bending roll bar backwards slightly. Tie slider cord to rear bag wire.
- Slip the inlet end of bag over chute as far as possible. Do not allow side of bag to block discharge opening of chute.

### **ADJUSTMENT**

#### SPEED LEVER

1. When speed lever, Item No. 7, Page 5, is in the highest position, the centerline of the rubber drive tire, Item No. 47, Page 7, Illustration G, should be 1/8" to 1/4" in from the outside edge of the flat driven disc, Item No. 57, Page 7, Illustration G. To adjust, loosen the 5/16" nut at the transfer rod connector, Item No. 52, Page 7, and slide connector on thrust plate orm. Re-tighten nut and check clearance after running engine.

### **CLUTCH ROD TENSION**

2. To check for proper tension on the clutch rod, Item No. 6, Page 5, slide vinyl cover, Item No. 26, Page 5, up on clutch rod. There should be 1/16" to 1/8" clearance between the top hook of the wheel drive spring, Item No. 26, Page 7, and the bottom of the eye of the clutch rod, when clutch lever is disengaged. To adjust, unhook spring from clutch rod and rotate outer spring over inner spring clockwise to reduce clearance and counter-clockwise to increase clearance. Re-install spring and vinyl cover.

### **CUTTING HEIGHT**

3. This mower has through axles front and rear to give superior strength and wheel alignment. Thus with the through axle design, it is necessary to wolk the height latches one notch at time, side to side when it is desired to change the cutting height. NEVER UNLATCH BOTH SIDES AT THE SAME TIME.

Setting the reor height latches one notch lower than the front will improve performance in heavy grass by roising the rear of the deck.

# NOMINAL HEIGHT OF CUT — INCHES NOTCHES FROM THE TOP

1	2	3	4	5	6
7 8"	1 1/4 "	1 ¾ "	2 1/4 ''	2 3/4 "	3 1/8 "

### OPERATION

#### STARTING ENGINE

- 1. Fill engine with SAE detergent 30 Wt. engine oil.
- 2. Fill gas tank with leaded or unleaded regular gas.
- Move throttle cantral to "START", place foot on deck that is marked "PLACE FOOT HERE WHEN CRANK-ING". Pull starter rape rapidly.
- 4. On electric start models, move throttle to start, turn key to start, release when engine starts.
- 5. IF ENGINE DOES NOT START, CHECK INTERLOCK SYSTEM.

### **DRIVE SYSTEM**

- Ta engage drive system, grip clutch handle, Item No. 4, Page 5, against upper handle structure, Item Na. 10. When handle is released, drive autamatically disengages and mower goes into free wheeling for easy maneuvering.
- To select ground speed, shift speed control lever, Item Na. 74, Page 5, dawn for slow and up for fast. Shifting effort is minimum with engine running.

### **GRASS BAG**

- Grass bag should be emptied before chute is allowed to clag. When the chute begins to clog, air pressure ceases to push the top of the bag upward and the saund of the engine changes.
- The first and most important step in emptying the grass bag is to STOP THE ENGINE AND PAUSE UNTIL THE BLADE STOPS ROTATING.
- 3. Stop engine. Grasp the front wire, Item Na. 25, with one hand, then the rear wire, Item No. 1, with the other hand, unhook and lift up, pulling the grass bag opening off of the grass chute.
- 4. To empty the grass bag, grasp the bag with one hand and pull off the slider, Item. No. 73, Page 5, with the other hand.
- Replace the grass bag, re-fold the rear of the bag ond replace slider before starting engine. See instructions on bag.

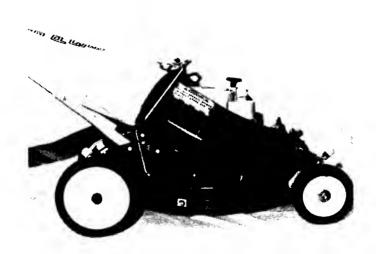
### **MAINTENANCE**

### GENERAL

- Refer to engine manual furnished with this packet of instructions to ail, fuel, and maintain the engine properly.
- Never place mower on its left hand side with spark plug pointed downward as this will allow the engine oil to run out through the valve tappet vent. If left too long, oil could also leak past the piston into the cylinder.
- 3. Have your mower inspected and serviced each year by an authorized Snapper dealer. Determine if any additional devices are available which might upgrade the safety of your mower.
- Factory specified Snapper replacement parts must be used to assure maximum pratection against injury.
- 5. OCCASIONALLY CHECK FOR WEAR ON THE RUB-BER DRIVEN RING. WHEN RUBBER IS WORN WITH-IN 1/16" OF METAL, DRIVEN RING SHOULD BE REPLACED TO PREVENT DAMAGE TO DRIVE DISC ASSEMBLY.
- To prolong the life and usefulness of your mower, it is a good practice to wash out all of the grass that may be sticking to the underside af the deck.

#### LUBRICATION

- 1. Change oil os specified in engine manual.
- Occasionally put a few drops of oil on all moveable parts.
- 3. The ball bearing wheels have been factory greosed and should not be greased unless removed.
- 4. Transmission assembly is pre-lubricated with four ounces of SNAPPER "00" GREASE, Part No. 1-1050. To check grease, remove plug, Item No. 78, Page 7. If no greose is visible on input gear assembly, Item No. 80, add grease to transmission and reploce plug. The greose should be checked every 20 hours of operation.



### PARTS LIST

Item Part No.

ltem	Part No.	Description	Qty.
1.	3-1128	Rear Wire	1
2.	1-2134	Push Nut	1
3.	1-2135	Bushing	2
4.	3-1881	Clutch Handle	1
5.	1-1982	Grip	1
6.	1-2120	Clutch Pull Rod	1
7.	1-1886	Pin	1
8.	9-0489	Push Nut	1
9.	1-2070	Bushing	2
10.	4-9567	Upper Str. Handle	1
11.	1-1879	Grip	1
12.	9-0188	5/16" Washer	1
13.	1-2093	Spring	1
14.	9-0112	1/4-28 × 2" H.H.C.S.	1
15.	1-8088	Throttle Control, B. & S.	1
15.	1-8099	Throttle Control, Tecumseh	1
16.	9-0095	1/4-28 Hex Nut	5
17.	9-0528	1/4-28 x 1 1/2" H.H.C.S., Gr. 5	2
18.	9-0053	1/4 Internal Tooth Lock Washer	4
19.	9-0529	1/4-28 x 1 1/4" H.H.C.S., Gr. 5	2
20.	1-0098	Clip	2
21.	3-7331	Lower Handle Pivoting	1
22.	1-2157	Grass Bag	1
23.	1-1780	Nylon Ring	2
24.	3-7305	Roll Bar	1
25.	3-1127	Front Wire	1
26.	1-2121	Vinyl Cover	1
27.	3-7333	Lower Handle	2
28.	9-0361	5/16 x 18 x 5/8 HWS ST.	4
29.	9-0189	5/16 IntExt. Tooth Lack Washer	2
30.	9-0388	T-Nut	2
31.	9-0222	5/16-24 Lock Nut	1
32.	3-1755	Speed Control Anchor	1
33.	9-0240	5/16-24 x 1 1/4" H.H.C.S.	1
34.	1-0783	Hi - Pro - Key	1
35.	2-1707	Engine Pulley	1
36. 37.	5-0723	Rear Wheel Arm Assembly, L.H.	1
37. 38.	1-0008 1-2180	Key Blade Drive Hub	1
39.	5-0711	Slider Assembly	i
40.	1-8166	Blade	i
41.	1-2063	Cone Washer	i
42.	9-0523	3/8-24 x 1-1/2" Gr. 5 Cap Screw	i
43.	1-0410	Roll Pin	2
44.	5-0722	Rear Wheel Arm Assembly, R.H.	1
45.	1-1093	Grip	4
46.	1-0921	Height Latch	4.
47.	3-7308	Rear Bracket, R.H.	1.
48.	9-0197	5/16-18 Jam Nut	4
49.	3-7309	Rear Bracket, L.H.	1
5 <b>0</b> .	1-1791	Bolt Retainer	4
51.	1-1078	5/16-16 Shoulder Screw	4
52.	1-0935	3/4" Washer	2
53.	1-1113	Rear Hub Cap	2
54.	1-0945	Rear Wheel	2

55.	9-0302	1/4-20 x 3/8" H.W.S.T.	2
			ı
56.	3-1809	Holder Half	-
57.	9-0324	3/8-18 x 1" H.W.S. ST. Engine Bolt	3
58.	9-0377	7/16-20 Jam Lock Nut	2
5 <b>9</b> .	3-1121	Front Hub Cap	4
60.	1-1083	Front Wheel, 7 x 1.50	2
61.	3-7300	Front Bracket	2
62.	3-101 <i>7</i>	Wheel Arm, Front R.H.	1
63.	2-1119	Front Axle	1
64.	2-9805	Deck	1
65.	3-1016	Wheel Arm, Front L.H.	1
66.	1-1079	Spring Washer	2
67.	9-0379	8-C $\times$ 3/4 SMS.	1
68.	9-0385	No. 8 Tab Washer	1
69.	5-0678	Interlock Assembly	1
70.	1-2110	Speed Control Lever	1
71.	9-0238	5/16-24 x 1" H.H.C.S.	1
72.	9-0368	5/16-18 x 3/4" H.W.S. ST.	2

Description

Qty.

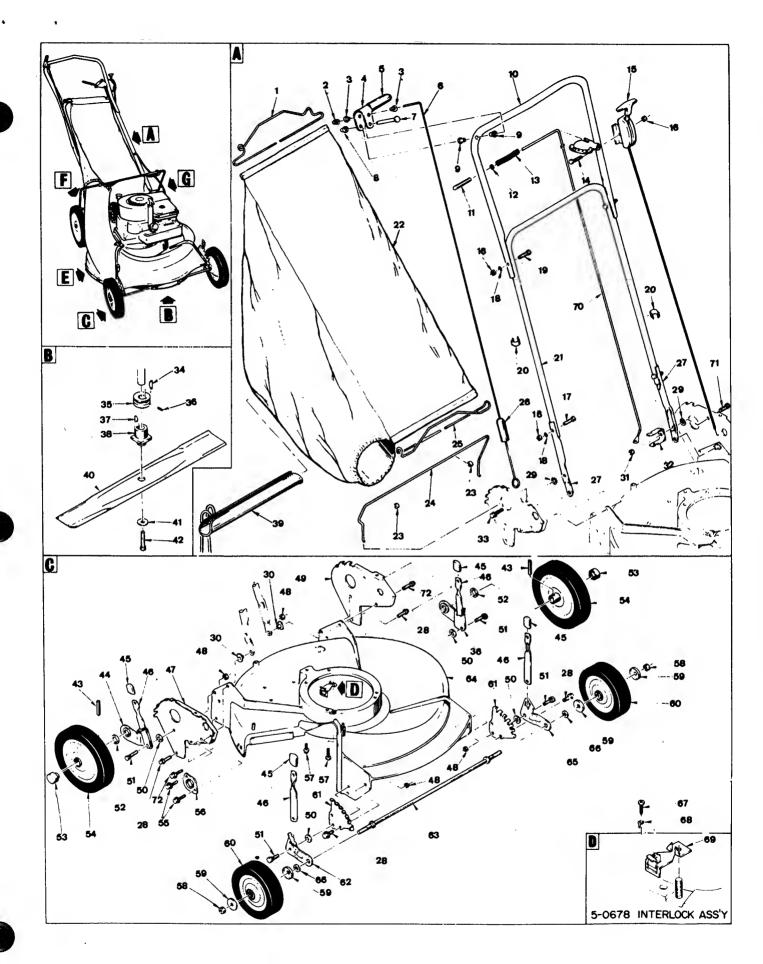
# ITEMS NOT SHOWN — BRIGGS AND TECUMSEH ELECTRIC

1-1762	Cover, Spark Plug	1
1-1789	Battery Charger	1
1-1790	Battery	1
1-1139	Switch W/Keys	1
1-8095	Wiring Harness	1
5-0705	Battery and Switch Bracket Assy.	1
1-1167	Key	1

### OPTIONAL ACCESSORIES

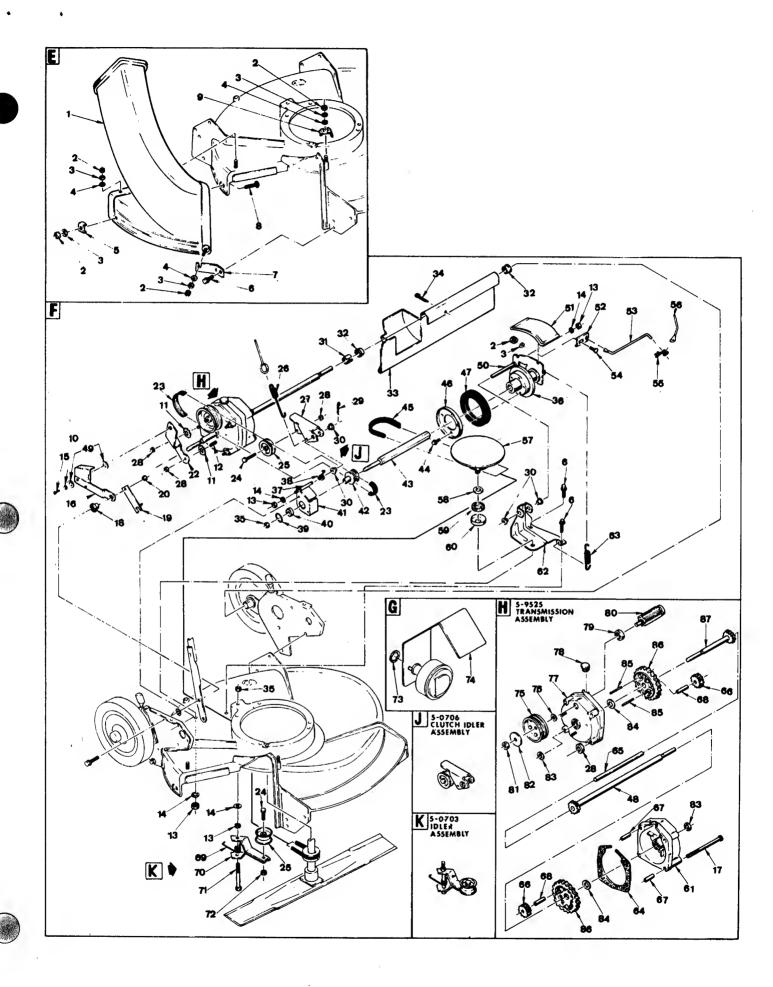
The aptianal accessaries listed below are available fram your Snapper dealer. These kits will add to your canvenience and extend the use of the product. Any of these kits may be installed in less than ten minutes using standard hausehold taals.

- SIDE CHUTE KIT 6-0258. This kit consists af a metal chute and fasteners to permit conversion of the mower to side discharge operation.
- ZIP KIT 6-0254. This kit consists of a plastic coated metal haop which may be installed on the rear end of the grass bag. Its purpase is to permit fast transfer of the clippings directly into a standard disposable trash bag.
- SNAPPERIZER KIT 6-0255. This kit consists of an expanded metal shredder plate, a bottom plate, and attaching hardware. Its purpose is to convert the mower into a combined outdoor vacuum and leaf shredder.



### PARTS LIST

Item	Part No.	Description	Qty.	Item	Port No.	Description	Qty.
1.	5-0679	Grass Chute Assembly	1	56.	1-2110	Speed Contral Lever	1
2.	9-0196	5/16-18 Hex Nut	5	<b>57</b> .	5-0702	Drive Disc Assembly	1
3.	9-0187	5/16 Lock Wosher	5		3-1879	Optional Steel Drive Disc Cap	1
4.	9-0188	5/16 Flat Washer	3	58.	9-0122	3/8" SAE Washer	1
5.	3-1801	Clip	1	59.	1-1032	Felt Seol	1
6.	9-0361	5/16-18 x 5/8 SEMS ST.	3	60.	3-1132	Bearing Shield	1
7.	3-1124	Side Bracket	1	61.	5-0269	Outboard Housing Assembly	1
8.	9-0208	5/16-18 x 1 Carriage Balt	1	62.	3-1875	Deck Bracket	1
9.	3-1123	Clomp	2	63.	1-2123	Spring-Wheel Drive	1
10.	9-0391	5/16 Internal Tooth Lock Wosher	1	64.	1-1774	Gosket	1
11.	9-0189	5/16 IntExt. Tooth Lock Washer	2	65.	2-1132	Shaft	1
12.	9-0535	1/4-28 x 1 H.H.C.S., Gr. 5	2	66.	2-1115	12 Tooth Geor	2
13.	9-0155	3/8-24 Hex Nut	3	67.	1-0826	Roll Pin	2
14.	9-0390	3/8 Internal Taoth Lack Washer	3	68.	1-1110	Shaft	2
15.	9-0534	5/16-18 × 3/8 HWST.	1	69.	1-2218	Idler Spring	1
16.	3-1880	Differential Link	1	70.	3-1006	Idler Bracket	1
17.	9-0487	1/4-28 × 3 1/4 H.H.C.S.	4	71.	9-0174	3/8-24 x 3 Hex Heod Cop Screw	1
18.	1-2114	Differential Link Bushing	1	72.	9-0303	1/4-28 Hex Lack Nut	1
19.	3-1882	Lower Belt Guide	1	73.	9-0457	Internal Tooth Lock Wosher	1
20.	9-0222	5/16-24 Hex Lack Nut	1	74.	3-7351	Heat Shield, Briggs Engine Only	1
21.	9-0095	1/4-28 Hex Nut	2	75.	1-2109	Polly V-Pulley - 31/4 O.D.	1
22.	4-0435	Differential Brocket	î	76.	1-1724	Spring Washer	1
23.	1-2119	Pally V Belt	i	77.	5-7093	Inboord Housing Assembly	1
24.	9-0107	1/4-28 x 1 1/4 H.H.C.S.	2	78.	1-1133	Plug	1
25.	1-2124	Idler Pulley	2	79.	1-1767	Ball Beoring	1
26.	1-2122	Spring-Clutch	1	80.	5-0305	Input Geor Assembly	1
27.	3-1877	Clutch Idler Arm	1	81.	1-1201	5/16-24 Hex Lock Nut	1
28.	9-0303	1/4 x 28 Hex Lock Nut	6	82.	1-1132	Clutch Wosher	1
29.	9-0037	3/32 x 3/4 Catter Pin	1	83.	1-1179	Seol	2
30.	1-2117	Nylon Bushing	4	84.	2-0938	Thrust Wosher	2
31.	1-2199	Axle Spocer	1	85.	1-0172	3/16 x 1 5/8" Roll Pin	2
32.	1-0694	Nylan Bushing	2	86.	1-0919	46 Tooth Geor	2
33.	3-9576	Rear Guard	1	87.	5-0262	Short Axle Assembly	2
34.	9-0042	1/8 x 1 1/4" Catter Pin	1				
35.	9-0289	3/8-24 Hex Lock Nut	1				
36.	5-7092	Driven Disc Assembly	1				
37.	1-2111	Idler Stud	1				
38.	1-2126	Idler Tarsion Spring	1				
39.	1-1025	O-Ring	1				
40.	1-1885	Bearing	1				
41.	3-1873	Halder Half	1			·	
42.	1-2140	Pally V-Pulley	1				
43.	2-1745	Hex Shaft	1				
44.	9-0307	10-24 x 1/2" SIMS	5				
45.	1-1887	Engine Belt	1				
46.	3-1013	Tire Plate	1				
47.	1-0927	Driven Ring	1				
48.	5-0263	Long Axle Assembly	1				
49.	1-1079	Spring Washer	2			*	
50.	1-2125	Thrust Plate Guide	1		، ارد و		
51.	1-2118	Tire Caver	1			<i>\$</i> 1	
52.	3-1874	Transfer Rod Connector	1				
53.	1-2255	Transfer Rod	1				
54.	9-0316	5/16-18 x 3 4 Carrioge Bolt	1				
55.	1-0937	1/4" Rod Clip — Right Arc	1				



### THANK YOU FOR BUYING A SNAPPER PRODUCT!

We have designed and built this machine with utmost care, and it is intended to give you long and satisfactory service.

Any mechanical device can be potentially dangerous if not used properly. No accident prevention program can be successful without the wholehearted co-operation of the person who is directly responsible for the operation of the equipment. Study this operator's manual to learn the operation of the controls and observe all safety precautions. Only use this machine for the purpose it is intended. By following these instructions and safety precautions you should enjoy the long and trouble free operation you expect.

.......

### LIMITED WARRANTY

For one year from purchase date for a nan-commercial user, ar for 30 days from purchase date for a commercial user, McDanough Pawer Equipment, Inc., through any factory authorized service dealer, will replace for the original purchaser, free of charge, any part or parts, found upon examination by the factory at McDonough, Georgio, to be defective in material or workmanship or both.

All transportation cost incurred by the purchaser in submitting material to an authorized service dealer for replacement under this warranty must be barne by the purchaser.

This warranty does not apply to engines and their components, os these items are warronted separately by their manufacturers. Neither does it apply to parts that have been damaged by accident, alteration, abuse, impraper lubrication, hormal wear, or other cause beyond our control.

There is no other express warranty.

Implied warranties, including those of merchantability and fitness for o particular purpose, ore limited to one year from purchase for non-commercial users, and for 30 days from purchase for commercial users and to the extent permitted by law any and all implied warranties are excluded. This is the exclusive remedy. Liabilities for consequential damages under any and all warranties are excluded.

WARNING: Use of replacement parts other than genuine Snapper parts may impair the safety of your mower and will void our warranty.

IMPORTANT: This worronty is void unless the warranty card attached is filled out completely and mailed to the Foctory within 10 days of purchase date.

IT IS THE POLICY OF McDONOUGH POWER EQUIPMENT, INC. TO IMPROVE ITS PRODUCTS WHENEVER IT IS POSSIBLE AND PRACTICAL TO DO SO. WE RESERVE THE RIGHT TO MAKE CHANGES OR ADD IMPROVEMENTS AT ANY TIME WITHOUT INCURRING ANY OBLIGATION TO MAKE SUCH CHANGES ON PRODUCTS MANUFACTURED PREVIOUSLY.

McDONOUGH POWER EQUIPMENT, INC.

I/I FUGUA

McDONOUGH, GA., U. S. A., 30253

### **OPERATOR'S MANUAL**

# **SNAPPER MOWER**

MODELS SV182 - V182 - V182S SV212 - V212 - V212S - V2124

## **IMPORTANT SAFETY INSTRUCTIONS**

WARNING: Failure to comply with the following instructions may result in serious injury to the operator or other persons. The owner of the mower must understand these instructions and, furthermore, must allow only persons who understand these instructions to operate the mower. Any person operating the mower must be of sound mind and body and must not be under the influence of any substance which might impair vision, dexterity, or judgement.

### TRAINING

- Read this Manual carefully and question your dealer if samething is not clear. Should the dealer be unavailable or unable to answer to your satisfaction, write ar call our Custamer Service Department at the factory. Be thoroughly familiar with the controls and proper use of the equipment.
- Never allow children to operate a power mower.
- 3. Keep the area of operation clear of all persons, particularly small children, and pets.

#### **PREPARATION**

- 1. Never operate mower without proper guards, plates, safety switches, or other sofety protective devices in place and properly connected. Inspect to determine that these safety devices are installed properly, ore in good repair, and operate properly. If the condition or operation of these devices are questionable, they must be repaired or replaced before using the mower.
- Thoroughly inspect the orea where the mower is to be used and remove all stones, sticks, wire, bones and other foreign objects. Also note the location of holes, stumps, and other possible hazords.
- Do not operate mower when barefoot or wearing open sandals. Always wear substantial footwear and long pants.
- 4. Fill gasoline tank before starting engine. Use approved gasoline container. Do not smoke near open gasoline container. Do not fill gasoline tank indoors or when engine is running. Allow engine to cool for at least ten minutes before refilling. Wipe off any spilled gasoline before starting engine. Do not run engine indoars.
- Never attempt to make o wheel height adjustment while the engine is running.
- When mowing over rough ground or in tall grass, mower must be set in highest cutting position.
- 7. Mow only in daylight or in good artificial light.
- 8. Never operate mower in wet grass. Always be sure of your footing; keep a firm hold on the handle and walk; never run.

#### **OPERATION**

- 1. Do not change engine governor settings or overspeed engine.
- Do not put hands or feet near or under rotating parts. Keep clear of discharge area while engine is running.
- 3. Stop engine when crossing gravel drives, walks, or roads, and under any conditions where thrown objects might be a hazard.
- After striking a foreign object or if mower vibrates abnormally, stop the engine, disconnect and secure spark plug wire. Inspect the mower for any damage and repair the domage.
- 5. Stop engine whenever you leave the operating position behind the handle for any reason, including emptying grass bag and making any adjustments, repairs, or inspections.
- Before cleoning, repoiring or inspecting, moke certain blade and oll moving ports have stopped. Disconnect and secure spark plug wire away from plug to prevent accidental starting.
- Stop engine and wait until the blode comes to complete stop before removing gross bag and/or unclogging adapter.
- 8. Mow across steep slopes, never up-and-down. Exercise caution when changing directions on slopes. Do not mow excessively steep slopes.

### MAINTENANCE AND STORAGE

- Keep all nuts, bolts, and screws tight to be sure mower is in safe operating condition.
- Never store mower with gasoline in the tank inside of a building where fumes may reach an open flame or spark. Allow engine to cool before storing in any enclosure.
- 3. To reduce fire hazard keep mower free of grass, leaves or excessive grease.
- Check grass bag assembly frequently for wear or deterioration. Replace with new bag if loose seams or tears are evident. Replace slider or bag adapter if broken or cracked.
- Have your mower inspected and serviced each year by an authorized Snapper dealer. Determine if ony additional devices ore ovailable which might upgrade the safety of your mower.
- Factory specified Snapper replacement parts must be used to ossure adequote protection against injury.

### **ASSEMBLY**

#### HANDLES

- Pull up and back on lower handle pivoting, Item No. 52. Tighten the two 5/16" wing nuts, Item Na. 61.
- Fasten upper handle, Item No. 56, ta lawer handle pivoting, Item No. 52, using two 1/4"-28 x 1-1/2" hex head cap screw, Item No. 54, two 1/4" internal tooth lock washers, Item No. 58, and two 1/4":28 hex nuts, Item No. 51.

### THROTTLE CONTROL

- Fasten thrattle control to inside af upper handle, Item Na. 56, using one 1/4"-28 x 1-3/4 hex head cap screw, Item Na. 21, one 1/4" internal toath lock washer, Item Na. 58, and one 1/4"-28 hex nut, Item No. 51.
- 2. Fasten throttle contral conduit ta handles using clips, Item Na. 53.

### **GRASS BAG - V182 SERIES**

- 1. Disconnect and secure spark plug wire.
- Place roll bar, Item Na. 45, with off-set side an right hand side into slots in rear wheel brackets, Item No. 43, top part will lay dawn clase to engine, raise up allowing ends to drap through the slots into hales below.
- 3. Place bag adapter, Item Na. 4, onto deck with stud nearest to "caution", passing through hole in bag adapter. Make sure the slot in the bag adapter drops aver the spacer, Item No. 65, and the rear of the bag adapter slides inside of guide plate, Item No. 64. Also make sure that bag adapter is pushed straight downward so that the ground contact af interlock switch deflects and permits engine to be started. Place clamp, Item No. 26, with shart leg ta rear over front stud. Secure bag adapter at front and rear stud with 5/16 flat washer, 5/16 lock washer and 5/16-18 wing nut.

#### V182

4. Slip the ends of frant wire, Item No. 3, through the front flap of the bag and hook over the roll bar. Slip the ends of the rear wire, Item No. 1, into the rear flap af the bag and hook aver tap section of lower handle. Top of bag should be slack for best performance. Tension along top af bag may be relieved by bending roll bar backwards slightly. Tie slider cord to rear bag wire.

#### V212

4. Slip ends of rear wire, Item Na. 1, Page 5, into the rear flap of grass bag. Hold the bag cannector in hand, push flange section through inlet of bag, such that only the straight rod is outside. Slide rod through front loop of bag connector. Stretch inlet of bag completely around flange af bag cannector. Hook rear wire over top section of middle handle. Start bottom lip of bag connector into top of bag adapter opening. Tilt bag connector toward front of mower and push downward so that flanges of bag connector will be behind flanges of the bag adapter.

#### V182

 Slip the inlet end af the bag aver bag adapter as far as possible. Da nat allaw side af bag to block discharge apening of bag adapter.

### SIDE CHUTE

- 1. Discannect and secure spark plug wire
- 2. Grip side chute structure, Item No. 8, with bath hands, slightly squeezing tagether, place tab over stud at rear af discharge area and slip large slat aver mounting key in deck. Slat in frant af side chute structure must ga dawn aver spacer, Item Na. 65. Alsa be sure that side chute is pushed straight dawnward sa that graund cantact af the interlack switch deflects and permits engine ta be started.
- 3. Secure tab at rear stud with ane 5/16 lock washer, ane 5/16 flat washer, and ane 5/16-18 wing nut. Place clamp, Item No. 26, with shart leg ta rear over the frant stud. Secure with 5/16 flat washer, 5/16 lock washer and 5/16-18 wing nut.

### **ADJUSTMENT**

### CUTTING HEIGHT

- This mower has salid through axles front and rear ta give superior strength and wheel alignment. Thus, with the through axle design, it is necessary ta walk the height latches are natch at a time, side to side, when it is desired to change the cutting height.
- Setting the rear height latches are notch lawer than the front will improve performance by raising the rear of the deck.

# NOMINAL CUTTING HEIGHT — INCHES NOTCHES FROM THE TOP

1	2	3	4	5	6
18" — 1"	1 ½ "	2"	2 % "	2 ¾ "	31/8 "
21" - 7/8"	14"	1%"	21/4"	2 ¾ "	31/4 "

### **OPERATION**

#### STARTING ENGINE

- 1. Fill engine with SAE detergent 30 Wt. engine oil.
- 2. Fill gas tank with leaded ar unleaded regular gas.
- Move thrattle cantrol ta "START", place foot on deck that is marked "PLACE FOOT HERE WHEN CRANKING". Pull starter rope rapidly.
- 4. On electric start madels, mave throttle to start, turn key ta start, release when engine starts.
- 5. IF ENGINE DOES NOT START, CHECK INTERLOCK SYSTEM.

### **GRASS BAG**

 Grass bag shauld be emptied befare bag adapter is allowed to clog. When the bag adapter begins to clog, air pressure ceases to push the top of the bag

- upword and the sound of the engine changes.
- 2. The first and most important step in emptying the gross bog is to STOP THE ENGINE AND PAUSE UNTIL THE BLADE STOPS ROTATING.

#### V182

3. Stop engine. Grosp the front wire, Item No. 3, with one hond, then the reor wire, Item No. 1, with the other hand, unhook and lift up, pulling the gross bog opening off of the bog adapter.

#### V212

- 3. Stop engine, grosp the bog connector and lift aff of the bag adapter. The initial lifting motion must be in line with the flange on the bag adapter to prevent binding. Unhook reor wire and lift bag from between handles. When bag is heavily loaded, it may be easier to unhook reor wire first and then lift off bag connector. Mower may be pushed forward for access to bag.
- To empty the gross bag, grosp the bog with one hand and pull off the slider, Item No. 22, with the other hand.
- Replace the grass bag, re-fold the rear of the bag and replace slider before starting engine.

#### **GENERAL**

- SNAPPER V212 will cut either forward or bockword. However, due to the set of the blode, slightly less power is required for forward cutting than for reverse cutting.
- To turn of end of row, push down on hondle bors to roise front wheels off of the lown. This permits turning on the bock wheels only ond soves scuffing the lown.
- 3. For cutting on slopes, it is usually best to move side to side only not up and down hill.
- 4. When vocuuming a paved wolk or driveway, first lower deck to lowest position. It is then best to run the V212 forward along the extreme left hand side of the area to be cleaned. This will pick up some litter and windrow some litter to the right of the first swath.

### MAINTENANCE

#### **GENERAL**

- Refer to engine manual furnished with this packet of instructions, to oil, fuel, and mointain the engine properly.
- 2. Never place mower on its left hand side with spark plug pointed downward as this will allow the engine oil to run out through the valve tappet vent. If left too long, oil could also leak post the piston into the cylinder.
- 3. Have your mower inspected and serviced each year an authorized Snopper dealer. Determine if ony additional devices are ovoilable which might upgrade the safety of your mower.
- Foctory specified Snopper replocement parts must be used to ossure maximum protection against



To prolong the life and usefulness of your mower, it is a good practice to wash out all of the gross that may be sticking to the underside of the deck.

### LUBRICATION

- 1. Change oil as specified in engine monual.
- 2. Occosionally put a few drops of ail on all moveable parts.

### **OPTIONAL ACCESSORIES**

The optional occessories listed below ore ovoilable from your Snopper dealer. These kits will add to your convenience and extend the use of the product. Any of these kits may be installed in less than ten minutes using standard household tools.

- 1. SIDE CHUTE KIT 6-0286 (for V182 Series; 6-0287 (for V212 Series). This kit consists of a metal chute and fasteners to permit conversion of the mower to side discharge operation.
- ZIP KIT 6-0254. This kit consists of a plostic coated metal hoop which may be installed on the rear end of the grass bag. Its purpose is to permit fost transfer of the clippings directly into a standard disposable trash bag.
- SNAPPERIZER KIT 6-0295 (for V212); 6-0296 (for V182). This kit consists of on exponded metal shredder plate, a bottom plate, and attaching hardware. Its purpose is to convert the mower into an outdoor vacuum and leaf shredder.
- 4. GRASS BAG KIT 6-0284 (for SV182 Series); 6-0285 (for SV212 Series). This kit consists of a bog adapter and component ports to permit conversion of the mower to gross bogging operation.



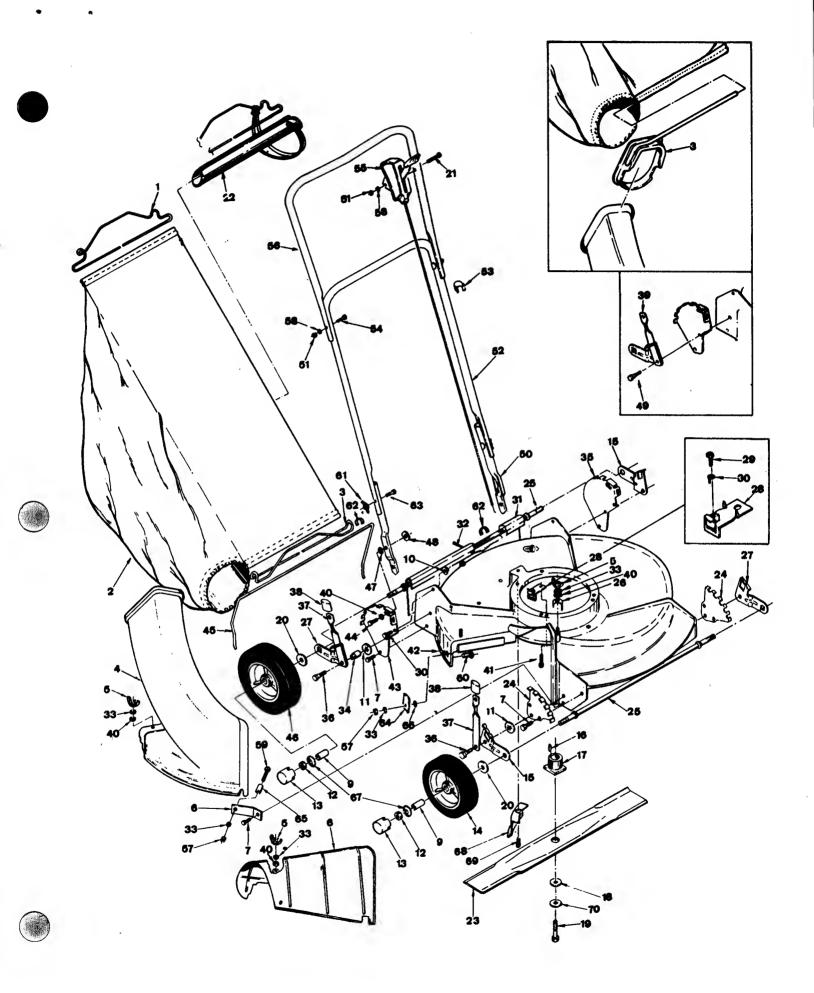
### **PARTS LIST**

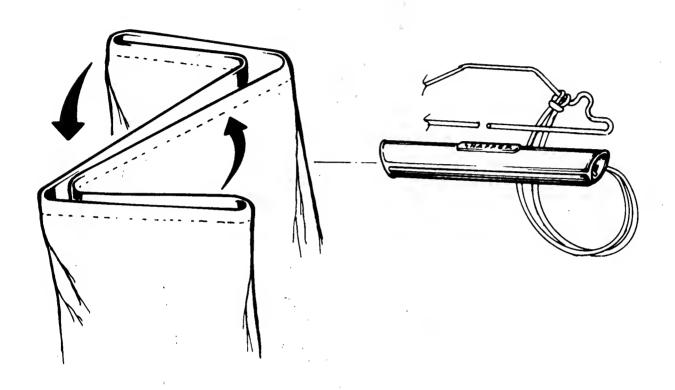
### MODELS SV182 - V182 - V1825 - SV212 - V212 - V2125 - V2124

1. 3.1128   Reor Wire	ltem	Port No.	Description	Qty.	ltem	Port No.	Description	Qty.
3. 3-1127 Front Wire, V182 1 44. 9-0227	1.	3-1128	Reor Wire	1	42.	5-9521	Deck Assembly, V182	1
3. 4.7724   Bog Connector, V212   1   44. 9.0227   5/16-24 x5/8 Hex Hd. Cop Screw   4   1.9805   Bog Adopter, V182   1   45. 1-8074   Roll Bor, V182   2   5. 9.0375   5/16-18 Wing Nut   2   46. 1-8199   7" Wheel, Reor, V182   2   7. 9.0361   5/16-18 x 5/8 SEMS   1   47. 9-0189   Int-Ext. Tooth Lock Wosher   2   7. 9.0361   5/16-18 x 5/8 SEMS   5   48. 1-0974   5/16-24 wild Nut   2   8. 4-0443   Side Chute Structure, V212   1   49. 9-0484   5/16-18 x 1-1/2 HSWST, V182   2   8. 4-0443   Side Chute Structure, V182   1   50. 3-7333   Lower Hondle Stotionory, V212   2   8. 4-0443   Side Chute Structure, V182   1   50. 3-7333   Lower Hondle Stotionory, V212   2   9. 1-2309   Axie Bushing   4   50. 3-7333   Lower Hondle Stotionory, V182   2   9. 1-2309   Axie Bushing   4   50. 3-7333   Lower Hondle Stotionory, V182   2   9. 1-2390   Axie Bushing   4   50. 3-7333   Lower Hondle Stotionory, V182   2   9. 1-2391   Hub Cop   4   54. 9-0529   1/4-28 Nex Nut   3   11. 1-1791   Boll Retoiner   4   52. 3-7331   Lower Hondle Fivoting   1   12. 9-0394   7/16 F, Hex Lock Nut   4   53. 1-0098   Clip, Thorite Control   1   13. 1-2323   Hub Cop   4   54. 9-0529   1/4-28 Nex Nut   3   14. 1-8189   Wheel, 7" - Front, V182 - V212   2   55. 1-8186   Throtite Control   8. 8. 5. 1   15. 3-1017   Wheel Arm, Front R.H., Rear L.H.   2   55. 1-8187   Throtite Control   8. 8. 5. 1   16. 1-0008   Key   1   56. 3-9601   Upper Hondle   1   17. 1-2180   Hub   1   57. 9-0199   5/16-18 x 1 Corriage Bolt   1   17. 1-2180   Hub   1   57. 9-0199   5/16-18 x 1 Corriage Bolt   1   18. 1-2063   Cone Wosher   1   58. 9-0053   1/4 Internol Tooth Lock Wosher   3   19. 9-0523   3/8-24 x 1-5/8* H.H.C.S, Gr. 5   1   59. 9-0549   5/16-18 x 1 Corriage Bolt   1   21. 9-0111   1/4-28 x 1-3/4 H. Hd. Cop Screw   1   64. 3-1917   Brocket Guide   1   22. 5-0711   Slider Assembly   1   64. 3-1917   Brocket Guide   1   23. 1-8197   Sloder Assembly   1   64. 3-1917   Brocket Guide   1   24. 3-7300   Front Gracket   1   64. 3-1917   Brocket Guide   1   25. 2-1119   Fro	2.	1-2320	Gross Bog	1	42.	5-0809	Deck Assembly, V212	1
1.9805	3.	3-1127	Front Wire, V182	1	43.	3-7275	Reor Brocket, R.H.	1
1.9806	3.	4-7724	Bog Connector, V212	1	44.	9-0227	5/16-24 x 5/8 Hex Hd. Cop Screw	4
5. 9-0375 5/16-18 Wing Nut 2 46. 1-8190 8" Wheel, Reor, V212 2 6. 3-1915 Side Brocket 1 47. 9-0189 IntExt. Tools lock Wosher 2 7. 9-0361 5/16-18 x 5/8 SEMS 5 48. 1-0974 5/16-24 Weld Nut 2 8. 4-0444 Side Chute Structure, V212 1 49. 9-0484 5/16-18 x 1-1/2 HSW5T, V182 2 8. 4-0444 Side Chute Structure, V182 1 50. 3-7333 Lower Hondle Stotionory, V212 2 9. 1-2309 Axle Bushing 4 50. 3-7333 Lower Hondle Stotionory, V212 2 10. 9-0388 5/16-18 Dor 'T' Nut 2 51. 9-0095 1/4-28 Hex Nut 3 11. 1-1791 Bolt Retoiner 4 52. 3-7331 Lower Hondle Pivoting 1 12. 9-0394 7/16 F. Hex Lock Nut 4 53. 1-0098 Clip, Throttle Control 1 13. 1-2323 Hub Cop 4 54. 9-0529 1/4-28 x 1-1/4 H.H.C.S, Gr. 5 2 15. 3-1017 Wheel Arm, Front R.H., Rear L.H. 2 55. 1-8186 Throttle Control, B. & S. 1 15. 3-1017 Wheel Arm, Front R.H., Rear L.H. 2 55. 1-8187 Throttle Control, B. & S. 1 15. 1-2088 Key 1 56. 3-9601 Upper Hondle 1 15. 1-2080 Key 1 56. 3-9601 Upper Hondle 1 17. 1-2180 Hub 1 1 57. 9-0196 5/16 Hex Nut 2 19. 9-0523 3/8-24 x 1-5/8" H.H.C.S, Gr. 5 1 59. 9-0549 5/16-18 x 1-1/4 F.H.S. 1 19. 9-0523 3/8-24 x 1-5/8" H.H.C.S, Gr. 5 1 59. 9-0549 5/16-18 x 1-1/4 F.H.S. 1 10. 1-428 x 1-3/4 H. Hd. Cop Screw 1 61. 5-0615 Wing Nut 2 12. 5-0711 Silder Assembly 1 64. 3-1917 Brocket Guide 1 12. 9-0111 1/4-28 x 1-3/4 H. Hd. Cop Screw 1 64. 3-1917 Brocket Guide 1 12. 3-1196 Wheel Arm, Front L.H; Reor R.H. 2 69. 9-0383 5/16-18 x 1-074 F.H.C.S Gr. 5 1 1-1780 Nylon Ring 4 13. 3-1763 Foot Guord, V182 1 63. 9-0015 1/4-20 x 1-3/4 Corrioge Bolt 1 13. 3-1763 Foot Guord, V182 1 63. 9-0015 1/4-20 x 1-3/4 Corrioge Bolt 1 14. 3-1918 Novsher 1 1 63. 9-0015 1/4-20 x 1-3/4 Corrioge Bolt 1 15. 3-1016 Wheel Arm, Front L.H; Reor R.H. 2 69. 9-0324 3/8-16 x 1" S.T. Screw 3 13. 9-0187 5/16 lock Washer 1 1 63. 9-0015 1/4-20 x 1-3/4 Corrioge Bolt 1 15. 9-0185 5/16 lock Washer 1 1 63. 9-0015 1/4-20 x 1-3/4 Corrioge Bolt 1 15. 9-0187 5/16 lock Washer 1 1 63. 9-0015 1/4-20 x 1-3/4 Corrioge Bolt 1 15. 9-0187 5/16 lock Washer 1 1 1-1789 Battery Brooket 1 1 1-1789 Battery Brocket 1 1 1-1789 Battery	4.	1-9805	Bog Adopter, V212	1	45.	1-8074	Roll Bor, V182	1
6. 3-1915 Side Brocket 1 47. 9-0189 IntExt. Tooth tock Wosher 2 9. 9-0341 5/16-18 x 5/8 SEMS 5 48. 1-0974 5/16-24 Weld Nut 2 2 1 49. 9-0484 5/16-18 x 1-1/2 HSWST, V182 2 1 49. 9-0484 5/16-18 bot with structure, V212 1 1 49. 9-0484 5/16-18 bot with structure, V182 1 50. 3-7332 Lower Hondle Stationory, V212 2 9. 1-2309 Axle Bushing 4 50. 3-7333 Lower Hondle Stationory, V212 2 1 1-1791 Both Retainer 4 50. 3-7331 Lower Hondle Stationory, V212 2 1 1 1-1791 Both Retainer 4 50. 3-7331 Lower Hondle Stationory, V212 2 1 1 1-1791 Both Retainer 4 50. 3-7331 Lower Hondle Pivating 1 1 1-1791 Both Retainer 4 50. 3-7331 Lower Hondle Pivating 1 1 1-1791 Both Retainer 4 50. 3-7331 Lower Hondle Pivating 1 1 1-1791 Both Retainer 4 50. 3-7331 Lower Hondle Pivating 1 1 1-1791 Both Retainer 4 50. 3-7331 Lower Hondle Pivating 1 1 1-1791 Both Retainer 4 50. 3-7331 Lower Hondle Pivating 1 1 1-1791 Both Retainer 4 50. 3-7331 Lower Hondle Pivating 1 1 1-1791 Both Retainer 4 50. 3-7331 Lower Hondle Pivating 1 1 1-1791 Both Retainer 4 50. 3-7331 Lower Hondle Pivating 1 1 1-1791 Both Retainer 4 50. 3-7331 Lower Hondle Pivating 1 1 1-1791 Both Retainer 4 50. 3-7301 Front R.H., Rear L.H. 2 55. 1-8187 Throttle Control, B. & S. 1 1 1-8186 Throttle Control, B. & S. 1 1 1-8186 Throttle Control, B. & S. 1 1 1-8186 Throttle Control, B. & S. 1 1 1-1791 Both Retainer 4 50. 3-9015 1 1 1 1-1791 Both Retainer 4 50. 3-9015 1 1 1 1 1 1 1-1791 Both Retainer 4 50. 3-9015 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4.	1-9806	Bop Adapter, V182	1	46.	1-8189	7" Wheel, Reor, V182	2
7. 9-0361 5/16-18 x 5/8 SEMS 5 48, 1-0974 5/16-24 Weld Nut 2 8, 4-0443 Side Chute Structure, V212 1 50, 3-7333 Lower Handle Stationory, V212 2 9, 1-2309 Axle Bushing 4 50, 3-7333 Lower Handle Stationory, V212 2 1 1 1-1791 Bolt Retainer 4 52, 3-7331 Lower Handle Stationory, V212 2 1 1 1-1791 Bolt Retainer 4 52, 3-7331 Lower Handle Stationory, V212 2 1 1 1-1791 Bolt Retainer 4 52, 3-7331 Lower Handle Stationory, V212 2 1 1 1-1791 Bolt Retainer 4 52, 3-7331 Lower Handle Pivoting 1 1 1 1-1791 Bolt Retainer 4 52, 3-7331 Lower Handle Pivoting 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5.	9-0375	5/16-18 Wing Nut	2	46.	1-8190	8" Wheel, Reor, V212	2
8. 4-0443 Side Chule Structure, V212 1 49. 9-0484 5/16-18 x 1-1/2 HSWST, V182 2 8. 4-0444 Side Chule Structure, V182 1 50. 3-7333 Lower Handle Stationary, V212 2 9. 1-239 Axle Bushing 4 50. 3-7332 Lower Handle Stationary, V182 2 7. 3-7331 Lower Handle Stationary, V182 2 7. 3-7331 Lower Handle Stationary, V182 2 7. 3-7331 Lower Handle Stationary, V182 3 1. 1-1791 Bolt Retainer 4 52. 3-7331 Lower Handle Stationary, V182 3 1. 1-1791 Bolt Retainer 4 52. 3-7331 Lower Handle Stationary, V182 3 1. 1-1791 Bolt Retainer 4 52. 3-7331 Lower Handle Stationary, V182 3 1. 1-1791 Bolt Retainer 4 52. 3-7331 Lower Handle Stationary, V182 3 1. 1-1791 Bolt Retainer 4 52. 3-7331 Lower Handle Stationary, V182 3 1. 1-1791 Bolt Retainer 4 52. 3-7331 Lower Handle Stationary, V182 3 1. 1-1898 Wheel, 7" — Front, V182 - V212 2 55. 1-18186 Throttle Control Control 1 1 1. 1-18189 Wheel, 7" — Front, V182 - V212 2 55. 1-18186 Throttle Control, 8 6 5. 1 1 1. 1-18189 Wheel, 7" — Front, R.H., Rear L.H. 2 55. 1-18186 Throttle Control, 8 6 5. 1 1 1. 1-18189 Wheel, 7" — Front, R.H., Rear L.H. 2 55. 1-18187 Throttle Control, 1 1 1-1791 Bolt Retainer 4 52. 3-7341 Throttle Control, 1 1 1-1791 Bolt Retainer 4 52. 3-7341 Throttle Control, 1 1 1-1791 Bolt Retainer 4 52. 3-7341 Throttle Control, 1 1 1-1791 Bolt Retainer 4 52. 3-9019 Sylich Hub. S 5. 1 1 1-1791 Throttle Control Retainer 4 52. 3-9019 Sylich Hub. S 5. 1 1 1-1791 Throttle Control Retainer 4 52. 3-9019 Sylich Hub. S 5. 1 1 1-1791 Throttle Control Retainer 4 52. 3-9019 Sylich Hub. S 5. 1 1 1-1791 Throttle Control Retainer 4 52. 3-9019 Sylich Hub. S 5. 1 1 1-1791 Throttle Control Retainer 4 52. 3-9019 Sylich Hub. S 5. 1 1 1-1791 Throttle Control Retainer 4 52. 3-9019 Sylich Hub. State Plants Retainer 4 1 1 1-1791 Bolt Retainer 4 1 1 1 1-1791 Bolt Retainer 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6.	3-1915	Side Brocket	1	47.	9-0189	IntExt. Tooth Lock Wosher	2
8. 4-0444 Side Chute Structure, V182   1   50, 3.7333   Lower Hondle Stotionory, V212   2   9. 1-2309   Axle Bushing	7.	9-0361	5/16-18 x 5/8 SEMS	5	48.	1-0974	5/16-24 Weld Nut	2
9. 1-2309 Axle Bushing	8.	4-0443	Side Chute Structure, V212	1	49.	9-0484	5/16-18 x 1-1/2 HSWST, V182	2
10. 9-0388   5/16-18 Dot "T" Nut   2   51. 9-0095   1/4-28 Hex Nut   3	8.	4-0444	Side Chute Structure, V182	1	50.	3-7333	Lower Hondle Stationary, V212	2
11.	9.	1-2309	Axle Bushing	4	50.	3-7332	Lower Handle Stationary, V182	2
12. 9-0394	10.	9-0388	5/16-18 Dot "T" Nut	2	51.	9-0095	1/4-28 Hex Nut	3
12.   9-0394   7/16 F. Hex Lock Nut	11.	1-1791	Bolt Retainer	4	<b>52</b> .	3-7331	Lower Hondle Pivoting	1
14. 1-8189 Wheel, 7" = Front, V182 - V212 2 555. 1-8186 Throttle Control, B. & S. 1 15. 3-1017 Wheel Arm, Front R.H., Rear L.H. 2 55. 1-8187 Throttle Control, Tecumseh 1 16. 1-0008 Key 1 55. 1-8187 Throttle Control, Tecumseh 1 17. 1-2180 Hub 1 57. 9-0196 5/16 Hex Nut 2 18. 1-2063 Cone Wosher 1 58. 9-0053 1/4 Internol Tooth Lock Wosher 3 19. 9-0523 3/8-24 x 1-5/8" H.H.C.S, Gr. 5 1 59. 9-0549 5/16-18 x 1-1/4 F.H.S. 1 20. 3-1961 Steel Wosher 4 60. 9-0383 5/16-18 x 1 Corrioge Bolt 1 21. 9-0111 1/4-28 x 1-3/4 H. Hd. Cop Screw 1 61. 5-0615 Wing Nut 2 22. 5-0711 5lider Assembly 1 62. 1-1780 Nylon Ring 4 23. 1-8193 Blode, V212 1 63. 9-0015 1/4-20 x 1-3/4 Corrioge Bolt 2 23. 1-8167 Blode, V182 1 64. 3-1917 Brocket Guide 1 24. 3-7300 Front Bracket 2 65. 1-2310 Spocer 1 25. 1-1749 Front ond Reor Axle, V-182 2 66. 9-0391 5/16 ITLW 1 26. 3-1123 Clamp 1 68. 3-1807 Belt Hole Cover 1 27. 3-1016 Wheel Arm, Front L.H; Reor R.H. 2 69. 9-0324 3/8-16 x 1" S.T. Screw 3 28. 5-0678 Interlock Assembly 1 70. 3-0008 Wosher 1 29. 9-0525 8-C x 3/4 SEMS 1 Tob Wosher 1 30. 9-0385 Tob Guord, V182 1 70. 3-0008 Wosher 1 31. 3-1763 Foot Guord, V182 1 70. 3-0008 Wosher 1 32. 9-0041 1/8 x 1 Cotter Pin 1 70. 3-0008 Wosher 1 33. 3-1763 Foot Guord, V182 1 70. 3-0008 Wosher 1 34. 2-1737 Wheel Arm Spacer, V182 2 8-0045 Height Lotch, V212 (front and reor) 4 1-8215 Battery 1 35. 3-7277 Rear Bracket, L.H. 1 Shoulder Screw 4 1-1789 Battery Chorger 1 36. 1-1078 Grip 4 1-1139 Switch W/Keys 1 37. 1-2325 Height Lotch, V212 (front and reor) 4 1-1895 Switch W/Keys 1 39. 1-2359 Height Lotch, N212 (front and reor) 4 1-1895 Switch W/Keys 1 40. 9-0188 5/16 SAE Washer 4 3-7749 Battery Bracket 1	12.	9-0394	7/16 F. Hex Lock Nut	4		1-0098		1
14.   1-8189   Wheel, 7" - Front, V182 - V212   2   55.   1-8186   Throttle Control, B. & S.   1	13.	1-2323	Hub Cop	4	54.	9-0529	1/4-28 x 1-1/4 H.H.C.S., Gr. 5	2
15.   3-1017   Wheel Arm, Front R.H., Rear L.H.   2   55.   1-8187   Throttle Control, Tecumseh   1   16.   1-0008   Key   1   56.   3-9601   Upper Hondle   1   17.   1-2180   Hub   1   57.   9-0196   5/16 Hex Nut   2   18.   1-2063   Cone Wosher   1   58.   9-0053   1/4 Internol Tooth Lock Wosher   3   19.   9-0523   3/8-24 x 1-5/8" H.H.C.S, Gr. 5   1   59.   9-0549   5/16-18 x 1-1/4 F.H.S.   1   14-28 x 1-3/4 H. Hd. Cop Screw   1   61.   5-0615   Wing Nut   2   2   2   2   5-0711   Slider Assembly   1   62.   1-1780   Nylon Ring   4   23.   1-8193   Blode, V212   1   63.   9-0015   1/4-20 x 1-3/4 Corrioge Bolt   2   2   2   2   3   1-8167   Blode, V182   1   64.   3-1917   Brocket Guide   1   25.   1-1749   Front Bracket   2   65.   1-2310   Spacer   1   25.   1-1749   Front ond Reor Axle, V-182   2   66.   9-0391   5/16 ITLW   1   25.   2-1119   Front ond Reor Axle, V212   2   67.   1-1079   Spring Wosher   4   2   4   3-1917   Spring Wosher   4   2   4   3-1917   Spring Wosher   4   3   3-1807   Belt Hole Cover   1   31.   3-1762   Foot Guord, V182   1   30.   9-0324   3/8-16 x 1" S.T. Screw   3   3   3-1763   Foot Guord, V212   1   3   3   3   3   3   3   3   3   3		1-8189	•	2				1
16. 1-0008   Key	15.	3-1017	Wheel Arm, Front R.H., Rear L.H.	2	55.		Throttle Control, Tecumseh	1
17. 1-2180				1			Upper Hondle	1
18.			•	1			V- V	2
19. 9-0523 3/8-24 x 1-5/8" H.H.C.S, Gr. 5 1 59. 9-0549 5/16-18 x 1-1/4 F.H.S. 1 20. 3-1961 Steel Wosher 4 60. 9-0383 5/16-18 x 1 Corriage Bolt 1 21. 9-0111 1/4-28 x 1-3/4 H. Hd. Cop Screw 1 61. 5-0615 Wing Nut 2 22. 5-0711 Slider Assembly 1 62. 1-1780 Nylon Ring 4 23. 1-8193 Blode, V212 1 63. 9-0015 1/4-20 x 1-3/4 Corriage Bolt 2 23. 1-8167 Blode, V182 1 64. 3-1917 Brocket Guide 1 24. 3-7300 Front Bracket 2 65. 1-2310 Spacer 1 25. 1-1749 Front ond Reor Axle, V-182 2 66. 9-0391 5/16 ITLW 1 25. 2-1119 Front ond Reor Axle, V212 2 67. 1-1079 Spring Wosher 4 26. 3-1123 Clamp 1 68. 3-1807 Belt Hole Cover 1 27. 3-1016 Wheel Arm, Front L.H; Reor R.H. 2 69. 9-0324 3/8-16 x 1" S.T. Screw 3 28. 5-0678 Interlock Assembly 1 70. 3-0008 Wosher 1 29. 9-0525 8-C x 3/4 SEMS 1 3-1762 Foot Guord, V182 1 3-7351 Heat Shield, Briggs Engine 1 31. 3-1762 Foot Guord, V182 1 3-7351 Heat Shield, Briggs Engine 1 3-7351 Heat Shield, Briggs Engine 1 3-745 Shoulder Screw 4 1-1078 Shoulder Screw 4 1-1078 Shoulder Screw 4 1-1078 Shoulder Screw 4 1-1789 Battery 1 1-1789 Battery 1 1-1789 Battery 1 1-1789 Battery Chorger 1 1-8215 Battery 1 1-1139 Switch W/Keys 1 1-1139 Switch W/Keys 1 1-1895 Wiring Harness 1 1-1895 Wiring H			Cone Wosher	1			1/4 Internal Tooth Lock Wosher	3
20. 3-1961 Steel Wosher			<b>)</b>	1				1
21. 9-0111 1/4-28 x 1-3/4 H. Hd. Cop Screw 1 61. 5-0615 Wing Nut 2 22. 5-0711 Slider Assembly 1 62. 1-1780 Nylon Ring 4 23. 1-8193 Blode, V212 1 63. 9-0015 1/4-20 x 1-3/4 Corrioge Bolt 2 23. 1-8167 Blode, V182 1 64. 3-1917 Brocket Guide 1 24. 3-7300 Front Bracket 2 65. 1-2310 Spocer 1 25. 1-1749 Front ond Reor Axle, V-182 2 66. 9-0391 5/16 ITLW 1 25. 2-1119 Front ond Reor Axle, V212 2 67. 1-1079 Spring Wosher 4 26. 3-1123 Clamp 1 68. 3-1807 Belt Hole Cover 1 27. 3-1016 Wheel Arm, Front L.H; Reor R.H. 2 69. 9-0324 3/8-16 x 1" S.T. Screw 3 28. 5-0678 Interlock Assembly 1 70. 3-0008 Wosher 1 29. 9-0525 8-C x 3/4 SEMS 1 70. 3-0008 Wosher 1 31. 3-1762 Foot Guord, V182 1 3-7351 Heat Shield, Briggs Engine 1 31. 3-1763 Foot Guord, V212 1 3-7351 Heat Shield, Briggs Engine 1 32. 9-0041 1/8 x 1 Cotter Pin 1 33. 9-0187 5/16 Lock Washer 634. 2-1737 Wheel Arm Spacer, V182 2 5-1737 Wheel Arm Spacer, V182 2 5-1737 Rear Bracket, L.H. 1 3-1769 Shoulder Screw 4 5-1735 Height Latch, V212 (front and reor) 4 1-1789 Battery Chorger 1 1-1789 Switch W/Keys 1 1 39. 1-2325 Height Latch, V212 (front and reor) 4 1-1789 Switch W/Keys 1 1 30. 9-0188 5/16 SAE Washer 4 3-7749 Battery Bracket 1			· ·	4	4			1
22. 5-0711 Slider Assembly 1 62. 1-1780 Nylon Ring 4 23. 1-8193 Blode, V212 1 63. 9-0015 1/4-20 x 1-3/4 Corrioge Bolt 2 23. 1-8167 Blode, V182 1 64. 3-1917 Brocket Guide 1 24. 3-7300 Front Bracket 2 65. 1-2310 Spocer 1 25. 1-1749 Front ond Reor Axle, V-182 2 66. 9-0391 5/16 ITLW 1 25. 2-1119 Front ond Reor Axle, V212 2 67. 1-1079 Spring Wosher 4 26. 3-1123 Clamp 1 68. 3-1807 Belt Hole Cover 1 27. 3-1016 Wheel Arm, Front LH; Reor R.H. 2 69. 9-0324 3/8-16 x 1" S.T. Screw 3 28. 5-0678 Interlock Assembly 1 70. 3-0008 Wosher 1 29. 9-0525 8-C x 3/4 SEMS 1 70. 3-0008 Wosher 1 30. 9-0385 Tob Wosher 1 70. 3-0008 Wosher 1 31. 3-1762 Foot Guord, V182 1 3-7351 Heat Shield, Briggs Engine 1 31. 3-1763 Foot Guord, V212 1 9-0457 Internol Tooth Lock Wosher, Briggs Engine 1 32. 9-0041 1/8 x 1 Cotter Pin 1 1 3.7351 Heat Shield, Briggs Engine 1 (3-4114) *Gos Tonk, (Tecumseh Engine)* 1 33. 9-0187 5/16 Lock Washer 6 70. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1/4-28 x 1-3/4 H. Hd. Cop Screw	1			•	2
23. 1-8193 Blode, V212				1				4
23. 1-8167 Blode, V182 1 64. 3-1917 Brocket Guide 1 24. 3-7300 Front Bracket 2 65. 1-2310 Spocer 1 25. 1-1749 Front ond Reor Axle, V-182 2 66. 9-0391 5/16 ITLW 1 25. 2-1119 Front ond Reor Axle, V212 2 67. 1-1079 Spring Wosher 4 26. 3-1123 Clamp 1 68. 3-1807 Belt Hole Cover 1 27. 3-1016 Wheel Arm, Front L.H; Reor R.H. 2 69. 9-0324 3/8-16 x 1" S.T. Screw 3 28. 5-0678 Interlock Assembly 1 70. 3-0008 Wosher 1 29. 9-0525 8-C x 3/4 SEMS 1 161 ST. Screw 1 30. 9-0385 Tob Wosher 1 3-1762 Foot Guord, V182 1 3-1764 Foot Guord, V212 1 3-1763 Foot Guord, V212 1 9-0457 Internol Tooth Lock Wosher, Briggs Engine 1 (3-4114) *Gos Tonk, (Tecumseh Engine)* 1 33. 9-0187 5/16 Lock Washer 6 79 Shipt Latch, V212 (front and reor) 4 1-1789 Battery Chorger 1 1-1789 Battery Chorger 1 1-1789 Battery Chorger 1 1-1139 Switch W/Keys 1 1-1139 Switch W/Keys 1 1-1139 Switch W/Keys 1 1-1139 Switch W/Keys 1 1-1093 Grip 4 1-1139 Switch W/Keys 1 1-1093 Grip 4 1-1139 Switch W/Keys 1 1-1098 Solder Screw 1 1-1789 Battery Bracket 1 1-1098 Switch W/Keys 1 1-1098 Solder Screw 1 1-1139 Switch W/Keys 1 1-1139			•	1			•	2
24.       3-7300       Front Bracket       2       65.       1-2310       Spocer       1         25.       1-1749       Front ond Reor Axle, V-182       2       66.       9-0391       5/16 ITLW       1         25.       2-1119       Front ond Reor Axle, V212       2       67.       1-1079       Spring Wosher       4         26.       3-1123       Clamp       1       68.       3-1807       Belt Hole Cover       1         27.       3-1016       Wheel Arm, Front L.H; Reor R.H.       2       69.       9-0324       3/8-16 x 1" S.T. Screw       3         28.       5-0678       Interlock Assembly       1       70.       3-0008       Wosher       1         29.       9-0525       8-C x 3/4 SEMS       1       ITEMS NOT SHOWN ON V182 — V212       1         30.       9-0385       Tob Wosher       1       3-7351       Heat Shield, Briggs Engine       1         31.       3-1762       Foot Guord, V182       1       3-7351       Heat Shield, Briggs Engine       1         32.       9-0041       1/8 x 1 Cotter Pin       1       3-7351       Heat Shield, Briggs Engine       1         34.       2-1737       Wheel Arm Spacer, V182       2				1				1
25. 1-1749 Front ond Reor Axle, V-182 2 66. 9-0391 5/16 ITLW 1 25. 2-1119 Front ond Reor Axle, V212 2 67. 1-1079 Spring Wosher 4 26. 3-1123 Clamp 1 68. 3-1807 Belt Hole Cover 1 27. 3-1016 Wheel Arm, Front L.H; Reor R.H. 2 69. 9-0324 3/8-16 x 1" S.T. Screw 3 28. 5-0678 Interlock Assembly 1 70. 3-0008 Wosher 1 29. 9-0525 8-C x 3/4 SEMS 1 TEMS NOT SHOWN ON V182 — V212 30. 9-0385 Tob Wosher 1 31. 3-1762 Foot Guord, V182 1 3-7351 Heat Shield, Briggs Engine 1 3-7457 Internol Tooth Lock Wosher, Briggs Engine 1 (3-4114) *Gos Tonk, (Tecumseh Engine)* 1 4 *Purchase From Tecumseh Part Number Listed Shapper — Tec				2				1
25. 2-1119 Front ond Reor Axle, V212 2 67. 1-1079 Spring Wosher 4 26. 3-1123 Clamp 1 68. 3-1807 Belt Hole Cover 1 27. 3-1016 Wheel Arm, Front L.H; Reor R.H. 2 69. 9-0324 3/8-16 x 1" S.T. Screw 3 28. 5-0678 Interlock Assembly 1 70. 3-0008 Wosher 1 29. 9-0525 8-C x 3/4 SEMS 1 1 1TEMS NOT SHOWN ON V182 — V212 30. 9-0385 Tob Wosher 1 31762 Foot Guord, V182 1 3-7351 Heat Shield, Briggs Engine 1 31. 3-1763 Foot Guord, V212 1 9-0457 Internol Tooth Lock Wosher, Briggs Engine 1 32. 9-0041 1/8 x 1 Cotter Pin 1 (3-4114) *Gos Tonk, (Tecumseh Engine)* 1 33. 9-0187 5/16 Lock Washer 6 34. 2-1737 Wheel Arm Spacer, V182 2 135. 3-7277 Rear Bracket, L.H. 136. 1-1078 Shoulder Screw 4 1-1789 Battery Chorger 1 37. 1-2325 Height Latch, V212 (front and reor) 4 1-1789 Battery Chorger 1 38. 1-1093 Grip 4 1-1139 Switch W/Keys 1 39. 1-2359 Height Lotch, Rear, V182 2 1-8095 Wiring Harness 1 40. 9-0188 5/16 SAE Washer 4 3-7749 Battery Bracket 1			Front and Rear Axle, V-182	2			•	1
26. 3-1123 Clamp				2				4
27. 3-1016 Wheel Arm, Front L.H; Reor R.H. 2 69. 9-0324 3/8-16 x 1" S.T. Screw 3 28. 5-0678 Interlock Assembly 1 70. 3-0008 Wosher 1 29. 9-0525 8-C x 3/4 SEMS 1 1EMS NOT SHOWN ON V182 — V212 30. 9-0385 Tob Wosher 1 3-7351 Heat Shield, Briggs Engine 1 31. 3-1762 Foot Guord, V182 1 3-7351 Heat Shield, Briggs Engine 1 31. 3-1763 Foot Guord, V212 1 9-0457 Internol Tooth Lock Wosher, Briggs Engine 1 32. 9-0041 1/8 x 1 Cotter Pin 1 (3-4114) *Gos Tonk, (Tecumseh Engine)* 1 33. 9-0187 5/16 Lock Washer 6 34. 2-1737 Wheel Arm Spacer, V182 2 ** *PURCHASE FROM TECUMSEH — NOT AVAILABLE FROM SNAPPER — TECUMSEH PART NUMBER LISTED ** 35. 3-7277 Rear Bracket, L.H. 1 Shoulder Screw 4 1-1789 Battery Chorger 1 37. 1-2325 Height Latch, V212 (front and reor) 4 1-8215 Battery 1 38. 1-1093 Grip 4 1-1139 Switch W/Keys 1 39. 1-2359 Height Lotch, Rear, V182 2 1-8095 Wiring Harness 1 40. 9-0188 5/16 SAE Washer 4 3-7749 Battery Bracket 1				1				1
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41. 9-0324 3/8-16 x 1 S. T. Screw 3 1-1167 Key 1			_	4				1
	41.	9-0324	3/8-16 x 1 S. T. Screw	3		1-1167	Key	1

**ENGINE MODELS USED:** 

BRIGGS & STRATTON MODEL 92908, TYPE 1454-01 TECUMSEH MODEL LAV35, TYPE 40933L HONDA MODEL GV35N





# **BAG CLOSING INSTRUCTIONS**

- 1. Fold into Z shape as shown, keeping edges aligned.
- 2. Hold edges together while pushing on slider. Be sure all edges are inside of slider.

### THANK YOU FOR BUYING A SNAPPER PRODUCT!

We have designed and built this machine with utmost care, and it is intended to give you long and satisfactory service.

Any mechanical device can be potentially dangerous if not used properly. No accident prevention program can be successful without the wholehearted co-operation of the person who is directly responsible for the operation of the equipment. Study this operator's manual to learn the operation of the controls and observe all safety precautions. Only use this machine for the purpose it is intended. By following these instructions and safety precautions you should enjoy the long and trouble free operation you expect.

### LIMITED WARRANTY

For Ninety (90) days from purchase date for a non-commercial user, or for Thirty (30) days from purchase date for a commercial user, McDONOUGH POWER EQUIPMENT, INC., through any factory authorized service dealer, will replace for the original purchaser, free of charge, any part or parts found upon examination by the factory at McDonough, Georgia, to be defective in material or workmanship or both.

All transportation cost incurred by the purchaser in submitting material to an authorized service dealer for replacement under this warranty must be borne by the purchaser.

This warranty does not apply to engines and their components, as these liems are warranted separately by their manufacturers. Neither does it apply to parts that have been damaged by accident, alteration, abuse, improper lubrication, normal wear, or other cause beyond our control.

There is no other express warranty.

Implied warranties, including those of merchantability and fitness for a particular purpose, are limited to ninety (90) days from purchase for non-commercial users, and for thirty (30) days from purchase for commercial users and to the extent permitted by law any and all implied warranties are excluded. This is the exclusive remedy. Liabilities for consequential damages under any and all warranties are excluded.

Some states do not allow limitations on how long an implied warranty lasts or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

WARNING: Use of replacement parts other than genuine SNAPPER parts may impair the safety of your mower and will void our warranty.

IMPORTANT: THIS WARRANTY IS VOID UNLESS THE WARRANTY CARD ATTACHED IS FILLED OUT COMPLETELY AND MAILED TO MODONOUGH POWER EQUIPMENT, INC., McDONOUGH, GEORGIA 30253, WITHIN TEN (10) DAYS OF PURCHASE DATE.

IT IS THE POLICY OF McDONOUGH POWER EQUIPMENT, INC. TO IMPROVE ITS PRODUCTS WHENEVER IT IS POSSIBLE AND PRACTICAL TO DO SO. WE RESERVE THE RIGHT TO MAKE CHANGES OR ADD IMPROVEMENTS AT ANY TIME WITHOUT INCURRING ANY OBLIGATION TO MAKE SUCH CHANGES ON PRODUCTS MANUFACTURED PREVIOUSLY.

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McDONOUGH POWER EQUIPMENT, INC.



McDONOUGH, GA., U. S. A., 30253

### **OPERATOR'S MANUAL**

# SNAPPER MOWER

MODELS SV212P - V212PH V212P - V212PS - V212P4

### IMPORTANT SAFETY INSTRUCTIONS

WARNING: Failure to comply with the following instructions may result in serious injury to the operator or other persons. The owner of the mower must understand these instructions and, furthermore, must allow only persons who understand these instructions to operate the mower. Any person operating the mower must be of sound mind and body and must not be under the influence of any substance which might impair vision, dexterity, or judgement.

#### TRAINING

- Read this Manual carefully and question your dealer if something is not clear. Should the dealer be unavailable or unable to answer to your satisfaction, write or call our Customer Service Department at the foctory. Be thoroughly familiar with the controls and proper use of the equipment.
- Never allow children to operate a power mower.
- 3. Keep the area of operation clear of all persons, particularly small children, and pets.

#### **PREPARATION**

- Never operate mower without proper guords, plates, safety switches, or other safety protective devices in place and properly connected. Inspect to determine that these sofety devices ore installed properly, are in good repair, ond operate properly. If the condition or operation of these devices are questionable, they must be repaired or reploced before using the mower.
- 2. Thoroughly inspect the area where the mower is to be used and remove all stones, sticks, wire, bones and other foreign objects. Also note the location of holes, stumps, and other possible hazards.
- Do not operate mower when barefoot or wearing open sandals. Always wear substantial footwear and long pants.
- 4. Fill gasoline tank before starting engine. Use approved gasoline container. Do not smoke near open gasoline container. Do not fill gasoline tank indoors or when engine is running. Allow engine to cool for at least ten minutes before refilling. Wipe off any spilled gasoline before starting engine. Do not run engine indoors.
- 5. Make sure that the traction drive deadman control is disengaged before starting engine.
- Never attempt to make a wheel height adjustment while the engine is running.
- When mowing over rough ground or in tall grass, mower must be set in highest cutting position.
- 8. Mow only in daylight or in good artificial light.
- Never operate mower in wet grass. Always be sure of your footing; keep a firm hold on the handle and walk; never run.

#### **OPERATION**

- Do not change engine governor settings or overspeed engine.
- Do not put hands or feet near or under tating parts. Keep clear of discharge area while engine is running.
- Stop engine when crossing gravel drives, walks, or roads, and under any conditions where thrown objects might be a hazard.
- After striking a foreign object or if mower vibrates abnormally, stop the engine, disconnect and secure spark plug wire. Inspect the mower for any damage and repair the damage.
- Stop engine whenever you leave the operating position behind the handle for any reoson, including emptying grass bag and making any odjustments, repairs, or inspections.
- Before cleaning, repairing or inspecting, moke certain blade and oll moving ports hove stopped. Disconnect and secure spark plug wire oway from plug to prevent accidental starting.
- Stop engine and wait until the blade comes to complete stop before removing grass bag and/or unclogging adapter.
- Mow across steep slopes, never up-and-down.
   Exercise coution when changing directions on slopes.
   Do not mow excessively steep slopes.

### MAINTENANCE AND STORAGE

- Keep all nuts, bolts, and screws tight to be sure mower is in safe operating condition.
- Never store mower with gasoline in the tonk inside of a building where fumes may reach an open flame or spark. Allow engine to cool before storing in any enclosure.
- 3. To reduce fire hazard keep mower free of grass, leaves or excessive grease.
- Check grass bag assembly frequently for wear or deterioration. Replace with new bag if loose seams or tears are evident. Replace slider or bag adapter if broken or cracked.
- Have your mower inspected and serviced each year by an authorized Snapper dealer. Determine if any additional devices are available which might upgrade the safety of your mower.
- Factory specified Snapper replacement parts must be used to assure adequate protection against injury.

### **ASSEMBLY**

### **HANDLES**

- Place lower handle, Item No. 21, Page 5, in groove of lower handle stationary, Item No. 27. Secure with two 1/4"-28 x 1-1/2" hex head cap screws, Item No. 17, two 1/4" internal tooth lock washers, Item No. 18, and two 1/4"-28 hex nuts, Item No. 16.
- Fasten upper handle, Item No. 10, Page 5, to lower handle, Item No. 21, using two 1/4'-28 x'1-1/4" hex head cap screws, Item No. 19, two 1/4" internal tooth lock washers, Item No. 18, and two 1/4"-28 hex nuts, Item No. 16.

#### SPEED SECTOR

 Fasten speed sector, Item No. 52, Page 5, to inside of upper handle using two 1/4"-28 x 1-1/2" hex hea@cap screws, two 1/4" internal tooth lock washers, and two 1/4"-28 hex nuts. These fasteners must be tightened securely.

### THROTTLE CONTROL

Install end of throttle control, Item No. 15, Page 5, through hole in speed sector. Push throttle control to stop position. Install inner wire of throttle control into control arm of engine. Push control arm to stop position and clamp control housing to the engine using clip on engine. Attach the head to the inside of upper handle using one 1/4"-28 x 1-1/4" hex head cap screw, Item No. 14, one 1/4" internal tooth lock washer, Item No. 18, and one 1/4"-28 hex nut, Item No. 16.

#### CLUTCH PULL ROD

- Install clutch pull rod, Item No. 6, Page 5, into the clutch lever, Item No. 4, as shown in Illustration A. Secure with push nut, Item No. 2.
- Hook eye of pull rod into clutch spring, Item 18, Page 7.
- Slide vinyl cover, Item No. 26, Page 5, over spring and eye of clutch rod.
- Fasten clutch rod to the outside of the handles using clip, Item No. 20, Page 5.

### SPEED CONTROL LEVER

- Place lower portion of speed control lever, Item No. 43, Page 5, into slots of speed control anchor, Item No. 32.
- Slide spring, Item No. 13, Page 5, washer, Item No. 12, Page 5, and vinyl cover, Item No. 11, Page 5, over upper section of speed control lever.
- Compress spring and washer so that washer is captured under the speed selector when the speed control lever is placed into the slot. Note: Spring and washer must go past 90 degree bend on upper end of speed control lever.

### TRANSFER ROD

Install flat end of transfer rod, Item No. 52, Page 7, into slot of transfer rod connector, Item No. 50. Slide 1/4" rod clip, Item No. 53, Page 7, onto speed control lever. Place round end of transfer rod thhrough speed control lever and fasten rod clip to transfer rod.

### **GRASS BAG**

1. Disconnect and secure spark plug wire.

- 2. Place bag adapter, Item No. 1, Page 7, onto deck with stud nearest to "caution" passing through hole in bag adapter. Make sure that slot in bag adapter drops over spacer, Item No. 12, and rear of bag adapter slides inside of guide plate, Item No. 2. Also make sure that bag adapter is pushed straight downward so that the ground contact of interlock switch deflects and permits engine to be started. Place clamp, Item No. 4, with short leg to rear over front stud. Secure bag adapter at front and rear stud with 5/16 flat washer, 5/16 lock washer, and 5/16-18 wing nut.
- 3. Slip ends of rear wire, Item No. 1, Page 5, into the rear flap of grass bag. Hold the bag connector in hand, push flange section through inlet of bag, such that only the straight rod is outside. Slide rod through front loop of bag. Stretch inlet of bag completely around flange of bag connector. Hook rear wire over the top section of middle handle. Start bottom lip of bag connector into top of bag adapter opening. Tilt bag connector towards front of mower and push downward so that flanges of bag connector will be behind flanges of bag adapter.
- 4. Top of bag should be slack for best performance. Tension along the top of bag may be relieved by placing rear wire into the other flap at rear of grass bag.
- Tie slider cord to rear bag wire and install slider by instructions on bag.

### SIDE CHUTE - SV SERIES

- 1. Disconnect and secure spark plug wire.
- 2. Grip side chute structure, Item No. 5, with both hands. Slightly squeezing together place tab over stud at rear of discharge area and slip large slot over mounting key in deck. Slot in front of side chute structure must go down over spacer, Item No. 12. Also be sure that the side chute is pushed straight downward so that ground contact of the interlock switch deflects and permits engine to be started.
- Secure tab at rear stud with one 5/16" lock washer, one 5/16" flat washer and one 5/16"-18 wing nut. Place clamp, Item 4, with short leg to the rear over front stud. Secure with 5/16" flat washer, 5/16" lock washer, and 5/16"-18 wing nut.

### **ADJUSTMENT**

#### SPEED LEVER

When speed lever, Item No. 43, Page 5, is in the highest position, the centerline of the rubber drive tire, Item No. 46, Page 7, Illustration F should be 1/8" to 1/4" in from the outside edge of the flat driven disc, Item No. 55, Page 7, Illustration F. To adjust, loosen the 5/16" nut at the transfer rod connector, Item No. 50, Page 7, and slide connector on thrust plate arm. Re-tighten nut and check clearance after running engine.

### **CLUTCH ROD TENSION**

2. To check for proper tension on the clutch rod, Item No. 6, Page 5, slide vinyl cover, Item No. 26, Page 5, up on clutch rod. There should be 1/16" to 1/8" clearance between the top hook of the wheel drive spring, Item No. 61, Page 7, and the bottom of the

eye of the clutch rod, when clutch lever is disengaged. To adjust, unhook spring from clutch rod and rotate outer spring over inner spring clockwise to reduce clearance and counter-clockwise to increase clearance. Re-install spring and vinyl cover.

### **CUTTING HEIGHT**

3. This mower has through axles front and rear to give superior strength and wheel alignment. Thus with the through axle design, it is necessary to walk the height latches one notch at a time, side to side when it is desired to change the cutting height. NEVER UNLATCH BOTH SIDES AT THE SAME TIME. Setting the rear height latches one notch lower than the front will improve performance in heavy grass by raising the rear of the deck.

# NOMINAL HEIGHT OF CUT — INCHES NOTCHES FROM THE TOP

1	2	3	4	5	6
7/8"	1 1/4 "	1 3/4 "	21/4"	2 ¾ "	31/8"

### **OPERATION**

### STARTING ENGINE

- 1. Fill engine with SAE detergent 30 Wt. engine oil.
- 2. Fill gas tank with leaded or unleaded regular gas.
- Move throttle control to "START", place foot on deck that is marked "PLACE FOOT HERE WHEN CRANK-ING". Pull storter rope rapidly.
- On electric start models, move throttle to start, turn key to start, release when engine starts.
- 5. IF ENGINE DOES NOT START, CHECK INTERLOCK SYSTEM.

### DRIVE SYSTEM

- To engage drive system, grip clutch handle, Item No. 4, Page 5, against upper handle, Item No. 10. When handle is released, drive automatically disengages and mower goes into free wheeling for easy maneuvering.
- To select ground speed, shift speed control lever, Item No. 43, Page 5, down for slow and up for fast. Shifting effort is minimum with engine running.

### **GRASS BAG**

- Grass bag should be emptied before bag adapter is allowed to clog. When the bag adapter begins to clog, air pressure ceases to push the top of the bag upward and the sound of the engine changes.
- The first and most important step in emptying the grass bag is to STOP THE ENGINE AND PAUSE UNTIL THE BLADE STOPS ROTATING.
- 3. Stop engine, grasp the bag connector and lift off of the bag adapter. The initial lifting motion must be in line with the flange on the bag adapter to prevent binding. Unhook rear wire and lift bag from between handles. When bag is heavily loaded, it may be easier to unhook rear wire first and then lift off bag connector. Mower may be pushed forward for access to bag.
- 4. To empty the grass bag, grasp the bag with one

- hand and pull off the slider, Item No. 39, with the other hand.
- 5. Replace the grass bag, re-fold the rear of the bag and replace slider before starting engine.

### **MAINTENANCE**

#### **ENGINE**

- Refer to engine manual furnished with this packet af instructions to oil, fuel, and maintain the engine properly.
- Never place mower on its left hand side with spark plug pointed downward as this will allow the engine oil to run aut through the valve tappet vent. If left too long, oil could also leak past the piston into the cylinder.
- Have your mower inspected and serviced each year by an authorized Snapper dealer. Determine if any additional devices are available which might upgrade the safety of your mower.
- Factory specified Snapper replacement parts must be used to ossure maximum protection against injury.
- OCCASIONALLY CHECK FOR WEAR ON THE RUB-BER DRIVEN RING. WHEN RUBBER IS WORN WITH-IN 1/16" OF METAL, DRIVEN RING SHOULD BE REPLACED TO PREVENT DAMAGE TO DRIVE DISC ASSEMBLY.
- 6. To prolong the life and usefulness of your mower, it is a good practice to wash out oll of the grass that may be sticking to the underside of the deck.

#### LUBRICATION

- 1. Change oil as specified in engine manual.
- Occasionally put o few drops of oil on oll moveoble parts.
- 3. The boll bearing wheels have been factory greased and should not be greased unless removed.
- 4. Transmission assembly is pre-lubricated with four ounces of SNAPPER "00" GREASE, Part No. 1-1050. To check grease, remove plug, Item No. 75, Page 7. If na grease is visible on input gear assembly, Item No. 80, add grease to transmission and replace plug. The grease should be checked every 20 haurs of operation.



### PARTS LIST

ltem	Part No.	Description	
1.	3-1128	Rear Wire	Qty.
2.	1-2134	Push Nut	i
3.	1-2135	Bushing	2
<b>4</b> .	3-1881	Clutch Handle	î
5.	1-1982	Grip	i
6.	1-1702	Clutch Pull Rod	i
7.	1-1186	Pin	i
8.	9-0489	Push Nut	i
9.	1-2070	Bushing	2
10.	3-9600	Upper Handle	î
11.	1-1879	Grip	i
12.	9-0188	5/16 Washer	i
13.	1-2093	Spring	i
14.	9-0529	1/4-28 x 1-3/4 H. Hd. Cap Screw	3
15.	1-8186	Throttle Control, B. & S.	1
15.	1-8187	Throttle Control, Tecumseh	ì
15.	1-8201	Throttle Control, Honda	1
16.	9-0095	1/4-28 Hex Nut	7
17.	9-0528	1/4-28 x 1-1/2 H.H.C.S, Gr. 5	4
18.	9-0053	1/4 Internal Tooth Lock Washer	7
19.	9-0471	1/4 x C x 5/16 KSS	í
20.	1-0098	Clip	3
21.	3-7331	Lower Handle Pivoting	1
22.	1-2320	Grass Bag	i
23.	9-0368	5/16-18 x 3/4 HWS ST.	2
24.	4-7724	Adapter Structure	ī
25.	9-0238	5/16-24 x 1 Hex Hd. Cap Screw	ì
26.	1-2121	Vinyl Cover	i
27.	3-7333	Lower Handle	2
28.	9-0361	$5/16-18 \times 5/8$ HWS ST.	4
29.	9-0189	5/16 IntExt. Taoth Lock Washer	2
30.	9-0388	T-Nut	2
31.	9-0222	5/16-24 Hex Lock Nut	1
32.	3-1755	Speed Control Anchor	1
33.	9-0240	5/16-24 x 1-1/4 H.H.C.S.	1
34.	1-0783	Hi-Pro Key	1
35.	2-1707	Engine Pulley	1
36.	5-0786	Rear Wheel Arm Assembly, L.H.	1
<b>3</b> 7.	1-0008	Key	1
38.	1-2180	Blade Drive Hub	1
39.	5-0711	Slider Assembly	1
40.	1-8193	Blade	1
41.	1-2063	Cone Washer	1
42.	9-0523	3/8-24 x 1-5/8 Cap Screw, Gr. 5	1
43.	1-2110	Speed Control Lever	1
44.	5-0787	Rear Wheel Arm Assembly, R.H.	1
45.	1-1093	Grip	4
46.	1-2325	Height Latch	4
47.	3-7308	Rear Bracket, R.H.	1
48.	9-0197	5/16-18 Jam Nut	4
49.	3-7309	Rear Bracket, L.H.	1
50.	1-1791	Bolt Retainer	4
51.	1-1078	5/16-18 Shoulder Screw	4
<b>52</b> .	3-7727	Speed Sector	1

ltem	Part No.	Description	
53.	5-0678	Interlock Assembly	1
54.	1-2496	Rear Wheel, 9 x 1.75	2
<b>55</b> .	9-0302	$1/4-20 \times 3/8$ H.W.S.T.	2
56.	3-1809	Holder Half	1
<b>5</b> 7.	9-0324	3/8-18 x 1 HWS ST. Engine Bolt	3
58.	9-0394	7/16-20 Lock Nut	4
59.	3-1961	Steel Washer	2
60.	1-8189	Frant Wheel, 7 x 1.50	2
61.	3-7300	Front Bracket	2
62.	3-1017	Wheel Arm, Front, R.H.	1
63.	2-1119	Front Axle	1
64.	2-9805	Deck	1
65.	3-1016	Wheel Arm, Front, L.H.	1
66.	1-1079	Spring Washer	4
67.	9-0379	8-C x 3/4 SEMS	1
68.	9-0385	Na. 8 Tab Washer	1
69.	2-0984	Washer	1
70.	1-2309	Axle Bushing	2
71.	1-2323	Hub Cap	4

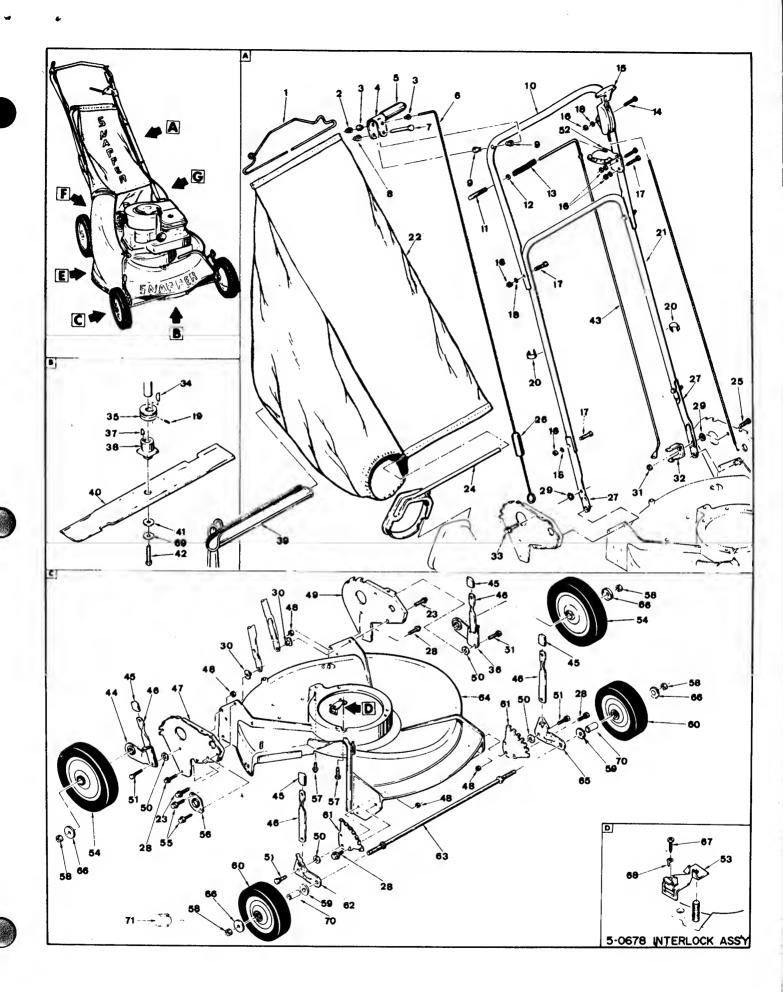
# ITEMS NOT SHOWN — BRIGGS AND TECUMSEH ELECTRIC

1-1762	Caver, Spark Plug	1
1-1789	Battery Charger	1
1-8215	Battery	1
1-1139	Switch W/Keys	1
1-8095	Wiring Harness	1
3-7749	Battery Bracket	1
1-1167	Key	i

### **OPTIONAL ACCESSORIES**

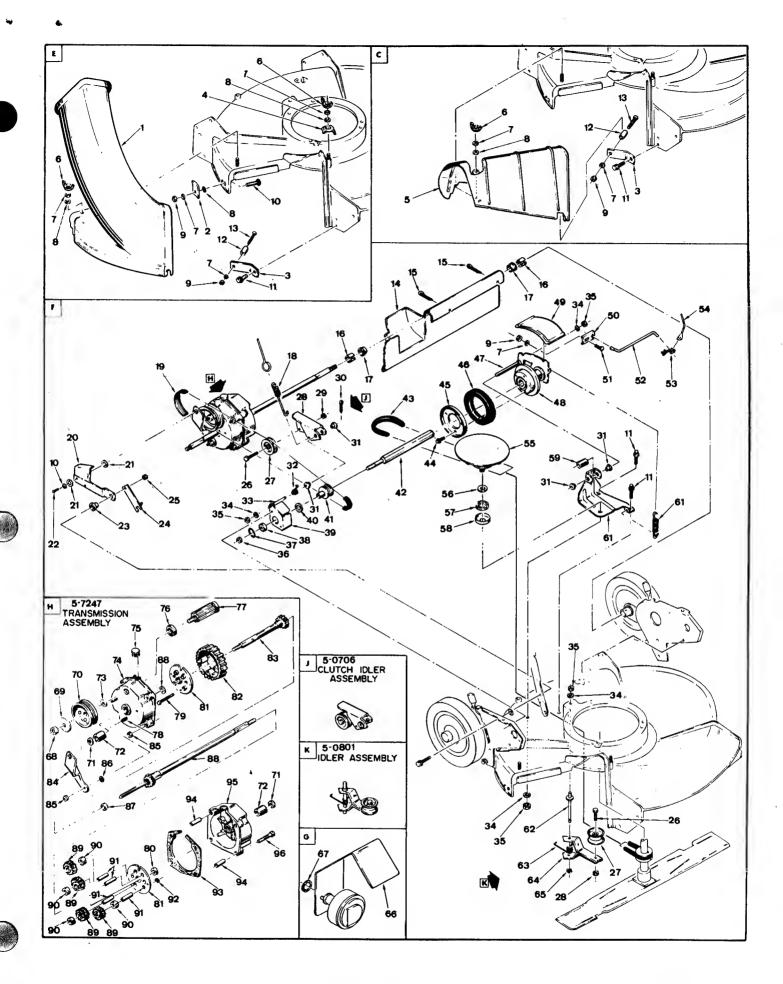
The optional accessories listed below are available from your Snapper dealer. These kits will add to your convenience and extend the use of the product. Any of these kits may be installed in less than ten minutes using standard hausehold tools.

- SIDE CHUTE KIT 6-0287 (for V212 Series). This kit consists of a metal chute and fasteners ta permit canversion of the mower ta side discharge operation.
- ZIP KIT 6-0254. This kit consists af a plastic caated metal haap which may be installed on the rear end of the grass bag. Its purpose is ta permit fast transfer af the clippings directly into a standard disposable trash bag.
- 3. SNAPPERIZER KIT 6-0295 (for V212). This kit consists of an expanded metal shredder plate, a battam plate, and attaching hardware. Its purpose is ta canvert the mower into an autdaor vacuum and leaf shredder for use with the bag ar side chute.
- GRASS BAG KIT 6-0285 (far SV212 Series). This kit cansists af a bag adapter and camponent parts ta permit conversion af the mawer to grass bagging operation.



## **PARTS LIST**

Item	Port No.	Description	Qty.	ltem	Part No.	Descriptian Q	lty.
1.	1-9805	Adapter, Bag	1	60.	3-1919	Bracket, Deck	1
2.	3-1917	Guide Plate	1	61.	1-2123	Spring, Wheel Drive	1
3.	3-1915	Bracket, Side	1	62.	1-2318	Stud, Idler	1
4.	3-1123	Clomp	1	63.	1-2218	Spring, Idler	1
5.	4-0443	Side Chute Structure	1	64.	3-1936	Bracket, Idler	1
6.	9-0375	Nut, Wing	3	65.	1-2313	Ring, Retaining	1
7.	9-0187	Washer, Lack 5/16	5	66.	3-7351	Shield, Heat — B & S Engine Only	1
8.	9-0188	Washer, Flat 5/16	3	67.	9-0457	Washer, Internal Taoth Lack	1
9.	9-0196	Nut, Hex 5/16-18	3	68.	1-2101	Nut, Hex Lack 5/16-24	1
10.	9-0383	Bolt, Carrioge 5/16-18 x 1	1	69.	1-1132	Washer, Spring	1
11.	9-0361	Screw, SEMS Self Tapping		70.	1-2109	Pulley, Paly V-Belt	1
		5/16-18 x 5/8	3	71.	1-2314	Seal (Included in Housing	
12.	1-2310	Spacer	1			Assemblies)	2
13.	9-0549	Screw, F.H. Machine		<b>72</b> .	1-2507	Bearing, Tapered O. D. (Included	
		5/16-18 x 1-1/4	1			in Hausing Assemblies)	2
14.	3-9576	Guard, Rear	1	73.	1-1724	Washer, Spring	1
15.	9-0297	Cotter Pin, 1/8 x 1-1 2	2	74.	5-7246	Inbaard Hausing Assembly (In-	i
16.	1-0996	Spacer, Axle	2	, 4.	3-72-0	cludes ane each af items 71,	•
17.	1-0694	Bushing, Nylan	2			72, 76, and two item 78	
18.	1-2122	Spring, Clutch	ī	75	1 1122		1
19.	1-2354	Belt, Poly V	i	75.	1-1133	Plug  Region Rell (Included in	} }
20.	3-1880	Link, Differential	i	76.	1-1767	Bearing, Ball (Included in	•
21.	1-1079	Washer, Spring	i			Housing Assembly, Item 74)	
22.	9-0534	Capscrew, Hex Head	•	77.	5-0767	Input Gear Assembly (Includes	1
	, 000 .	5/16-18 × 3/8	1			Ball Bearing)	1
23.	1-2114	Bushing, Differential Link	,	78.	1-2499	Screw, Rib Neck 1/4-1	2
24.	3-1882	Guide, Lower Belt	,	79.	9-0557	Copscrew, Hex Head	
25.	9-0222	Nut, Hex Lock 5/16-24	'n	7		10-32 x 1-1/2	4
26.	9-0552	Copscrew, Hex Heod	•	80.	3-1965	Wosher, Thrust	2
20.	7-0332	1/4-28 x 1-3/8	2	81.	3-1970	Plate	2
27	1 0104			82.	1-2495	Gear, 46 T Differential	1
27.	1-2124	Pulley, Idler	2	83.	5-0830	Short Axle Assembly	1
28. 29.	3-1877	Arm, Clutch Idler	1	84.	4-0447	Bracket, Differential	1
29. 30.	9-0303	Nut, Hex Lock 1/4-28	7	85.	9-0303	Nut, Hex Lack 1/4-28	6
30. 31.	9-0037 1-2306	Catter Pin 3/32 x 3/4	1	86.	9-0574	Washer, Internal External	
31. 32.	1-2306	Bushing, Flonge Spring, Idler Torsian	1			Taath Lack 1 4	2
32. 33.	1-2111	Stud, Idler	i	87.	1-2543	Spacer	1
34.	9-0390	Washer, Internal Tooth Lock	4	88.	5-0831	Long Axle Assembly	1
35.	9-0155	Nut, Hex 3/8-24	4	89.	<b>2</b> -1115	Gear, 12 Taath	4
36.	9-0133	Nut, Lack 3/8-24	1	90.	1-2500	Spacer	4
37.	1-1025	O-Ring'	i	91.	1-1110	Shaft, Pinian	4
38.	1-2304	Bearing	i	92.	9-0376	Nut, Hex Lack 10-32	4
39.	3-1873	Holder Half	i	93.	1-1774	Gasket	1
40.	3-1916	Washer	i	94.	1-2512	Rall Pin 3 8-7/16	2
41.	1-2140	Pulley, Paly V-Belt	í	95.	5-7245	Outbaard Housing Assembly (In-	1
42.	2-1745	Hex Shaft	i			cludes ane each af items 71 & 72)	
43.	1-1887	Belt, Engine	i	96.	9-0552	Capscrew, Hex Head	4
44.	9-0307	Screw, SEMS 10-24 x 1 2	5			1 4-28 x 1-3 8	
45.	3-1013	Plate, Driven Ring	1	*	3-1879	Cap, Optianal Steel Drive Disc	
46.	1-0927	Ring, Driven	1			far Item 55	1
47.	1-2125	Guide, Thrust Plate	1				
48.	5-7096	Driven Disc - Assembly	1				
49.	1-2118	Caver, Driven Disc	1				
50.	3-1874	Connectar, Transfer Rad	1				
51.	9-0316	Bolt, Carriage 5/16-18 x 3 4	1				
52.	1-2255	Rod, Tranfer	1				
53.	1-0937	Clip, Right Arc Rod 1 4"	1				
54.	1-2110	Lever, Speed Control	1				
55.*	5-0702	Drive Disc — Assembly	1				
56.	9-0122	Washer, SAE 3/8	1				
57.	1-1032	Seal	1				
58.	3-1132	Shield, Bearing	1				
59.	2-1758	Spacer, Brocket	1				





### THANK YOU FOR BUYING A SNAPPER PRODUCT!

We have designed and built this machine with utmost care, and it is intended to give you long and satisfactory service.

Any mechanical device can be potentially dangerous if not used properly. No accident prevention program can be successful without the wholehearted co-operation of the person who is directly responsible for the operation of the equipment. Study this operator's manual to learn the operation of the controls and observe all safety precautions. Only use this machine for the purpose it is intended. By following these instructions and safety precautions you should enjoy the long and trouble free operation you expect.

### **MANUFACTURER'S 90 DAY LIMITED WARRANTY**

For Ninety (90) days from purchase date for a non-commercial user, or for Thirty (30) days from purchase date for a commercial user. McDONOUGH POWER EQUIPMENT, through any factory authorized service dealer, will replace for the original purchaser, free of charge, any part or parts found upon examination by the factory at McDonough, Georgia, to be defective in material or workmanship or both.

All transportation cost incurred by the purchaser in submitting material to an authorized service dealer for replacement under this warranty must be borne by the purchaser.

This warranty does not apply to engines and their components, as these items are warranted separately by their manufacturers. Neither does it apply to parts that have been damaged by accident, alteration, abuse, improper lubrication, normal wear, or other cause beyond our control.

There is no other express warranty.

Implied warranties, including those of merchantability and fitness for a particular purpose, are limited to ninety (90) days from purchase for non-commercial users, and for thirty (30) days from purchase for commercial users and to the extent permitted by law any and all implied warranties are excluded. This is the exclusive remedy. Liabilities for consequential damages under any and all warranties are excluded.

Some states do not allow limitations on how long an implied warranty lasts or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

WARNING: Use of replacement parts other than genuine SNAPPER parts may impair the safety of your mower.

IMPORTANT: Please fill out the attached Snapper Guarantee Card and mail to:

McDONOUGH POWER EQUIPMENT, McDONOUGH, GEORGIA 30253

IT IS THE POLICY OF McDONOUGH POWER EQUIPMENT TO IMPROVE ITS PRODUCTS WHENEVER IT IS POSSIBLE AND PRACTICAL TO DO SO. WE RESERVE THE RIGHT TO MAKE CHANGES OR ADD IMPROVEMENTS AT ANY TIME WITHOUT INCURRING ANY OBLIGATION TO MAKE SUCH CHANGES ON PRODUCTS MANUFACTURED PREVIOUSLY.

### McDONOUGH POWER EQUIPMENT



McDONOUGH, GA., U. S. A., 30253